



May 5, 2017

Kleinfelder Project No.: 20180224

Mr. Josh Carlisle  
EH&S Manager  
Extraction Oil & Gas, Inc.  
370 17<sup>th</sup> Street, Suite 5300  
Denver, CO 80202

**SUBJECT: Phase I Environmental Site Assessment  
152-Acre Agricultural Property  
NE¼ of Section 30, T1N, R67W  
Weld County, Colorado**

Dear Mr. Carlisle:

Enclosed is the Phase I Environmental Site Assessment (ESA) report for the 152-acre agricultural property located in the NE corner of Section 30, Township 1 North, Range 67 West in Weld County, Colorado. According to the Weld County Assessor, the property is owned by the Rock Family Partnership. This report does not include the approximately 8-acre property in the very NE corner of the section (parcel 146930000045) occupied by Kevin Glardon. The scope of work was presented in our proposal (DEN17P57786), dated April 17, 2017, and subsequently approved by you.

An executive summary is provided at the beginning of the report; however, we recommend that this report be read in its entirety for a comprehensive understanding of the items contained therein. Based on the information obtained during the completion of this Phase I, five recognized environmental conditions (RECs) were identified.

We appreciate the opportunity to provide our services to you on this project. Please contact Kleinfelder if you have any questions regarding this report or if we can provide assistance with other aspects of the project.

Respectfully submitted,  
**KLEINFELDER, INC**

Bradley M. Baum, MS  
Project Manager II



**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
152-ACRE AGRICULTURAL PROPERTY  
NE<sup>1</sup>/<sub>4</sub> OF SECTION 30, T1N, R67W  
WELD COUNTY, COLORADO**

**MAY 5, 2017**

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A Report Prepared for:

Mr. Josh Carlisle  
EH&S Manager  
Extraction Oil & Gas, Inc.  
370 17<sup>th</sup> Street, Suite 5300  
Denver, CO 80202

**SUBJECT: Phase I Environmental Site Assessment  
152-Acre Agricultural Property  
NE<sup>1</sup>/<sub>4</sub> of Section 30, T1N, R67W  
Weld County, Colorado**

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Kleinfelder Project No. 20180224  
May 5, 2017

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## 1 EXECUTIVE SUMMARY

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A Phase I Environmental Site Assessment (ESA) was performed by Kleinfelder, Inc. (Kleinfelder) on behalf of Extraction Oil & Gas, Inc. (Client or Extraction) for the property located in the northeast quarter of Section 30, Township 1N, Range 67W in Brighton, Weld County, Colorado. The property is identified as a 152.84-acre of dry farm land-agricultural and waste land (Weld County Assessor parcel number 146930000046) and is owned the Rock Family Partnership. The aforementioned property will be hereafter referred to as the “Site”.

This report was prepared consistent with the guidelines set forth in ASTM International (ASTM, formerly known as the American Society for Testing and Materials) Designation E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (the “Standard Practice”), and the All Appropriate Inquiry (AAI) section of the Small Business Liability Relief and Revitalization Act (the Federal Brownfields Law).

The Site consists of approximately 152-acres of relatively flat, farmland with historic and current oil and gas development. An ephemeral stream bisects the Site and runs northwest to southeast. A stock pond was constructed on the stream. An abandoned railroad grade running parallel and to the north of the stream was converted into an access road and is used to access oil and gas production facilities in the interior of the Site. No buildings or other structures were observed on the Site, with the exception of equipment related to oil and gas extraction (e.g., pumpjacks, storage tanks, process equipment, etc.). Various underground utility lines (i.e., high-pressure gas, high-voltage electrical, fiber optic, and telephone) are present as evidenced by markers and pin flags from previous utility locates. A gas pipeline bisects the Site. A high-pressure petroleum pipeline runs parallel and to the south the Site boundary and appears to be off the Site. An aboveground high-voltage electrical line bisects the Site and runs east to west.

Based on a review of historical documents and interview information, the Site has remained in agriculture since 1937, with the exception of oil and gas development beginning around 1974. Based on a review of aerial photos, the surrounding property has historically been used for farming, oil and gas production, residences, and small businesses.

Kleinfelder contracted Environmental Data Resources (EDR), a commercial database service, to review the federal, state, and local regulatory agency lists for references to the Site. Based on the review of the regulatory documents available from the EDR report, no facilities were identified and assessed to determine if they have environmentally impacted the Site.

Additional regulatory agencies not included in the EDR database report were contacted or their databases reviewed to obtain additional information about the Site and surrounding area.

One facility, the Frisbee 1,2,3 Tank Battery, was listed within the ASTM Standard search radii in the EDR Radius Map Report, Based upon our review of the regulatory files, and as discussed in further detail herein, this listing does not represent a recognized environmental condition (REC) to the Site.

Based on a review of the Colorado Oil and Gas Conservation Commission's (COGCC's) Colorado Oil and Gas Information System (COGIS) database, a release of condensate and produced water occurred at the Norman D. Frisbie Unit #1 tank battery, resulting in impacted soil and groundwater. Though impacted soil was excavated and disposed, impacted groundwater is still present. Continuing remedial activities includes the installation of additional groundwater monitoring wells and quarterly groundwater monitoring. Due to residual groundwater impacts, ongoing groundwater monitoring events, and no indication the remediation event was closed, this facility represents a REC to the Site.

During the Site reconnaissance, several potential environmental concerns were observed on the Site or adjoining properties, including:

- Currently producing oil and gas wells and production facilities;
- An operating oil and gas tank battery;
- Underground flow lines that transport well fluids to the tank battery;
- An abandoned railroad grade;
- Abandoned and rusted-out lubricant drums along the western boundary of the private residence;
- An abandoned drum located in the stream near the southeast corner of the Site near the Frisbie #1, and
- Electrical transformers on three well pads that are missing stickers indicating whether polychlorinated biphenyls are present or not.

Oil and gas production facilities utilize underground flow lines to transport well fluids to production equipment and large aboveground, partially buried, or fully buried tanks to store processed fluids. Releases of fluids to the environment can occur without the operator's knowledge and may continue for a long period of time and impact large volumes of soil or the underlying groundwater. These releases may only be discovered when addressing another spill/release event, repairing equipment, or the removing of the facility. Due to this, the oil and gas production facilities represent a REC to the Site.

Hazardous substances may be released or spilled from railcars while travelling along a railroad or by derailling. Even though Kleinfelder did not observe any documentation of train derailments, the presence of a historic railroad material running through the Site and possible releases of hazardous materials from railcars represents a REC to the Site.

Abandoned drums represent possible sources of contaminants to the environment. Even though no staining around the drums was observed, the amount of time the drums were present on the Site and whether they contained chemicals or were emptied and discarded prior to abandonment is unknown. Therefore, the abandoned drums at the private residence and near the Frisbie #1 represent a REC to the Site.

Electrical transformers were present at three of the oil and gas production facilities. No information regarding whether the transformers contained polychlorinated biphenyls was present. Due to this, the transformers represent a REC to the Site.

No historical RECs (HRECs) or Controlled Recognized Environmental Conditions (CRECs) were observed or determined to exist in relation to the Site:

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
152-ACRE AGRICULTURAL PROPERTY  
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**2 INTRODUCTION**

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This report is a summary of work performed using the guidelines set forth in ASTM Designation E 1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (the ASTM Standard). This report also generally conforms to the ASTM Standard suggested table of contents. Minor format modifications have been made to the ASTM Standard suggested table of contents to assist in reading and understanding the report findings.

**2.1 PURPOSE**

The purpose of this Phase I ESA is to assist the client in evaluating, to the extent feasible pursuant to the scope of services developed pursuant to our proposal, Kleinfelder document number (DEN17P57786) dated April 17, 2017, and limitations discussed in this report, RECs. As defined in the ASTM Standard, a Recognized Environmental Condition (REC) is:

*The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to a 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. De minimis conditions are not recognized environmental conditions.*

As defined in the ASTM Standard, a Historical Recognized Environmental Condition (HREC) is:

*The presence of an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition at the time the Phase I ESA is conducted. This can be the result of remedial actions in compliance with regulatory requirements or the evaluation of RECs to the satisfaction of the environmental professional.*

Standard E 1527-13 also introduces the designation of Controlled REC (CREC). As defined in the ASTM Standard a CREC is:

*A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).*

As defined in the ASTM Standard, a de minimis condition is:

*A condition that generally does 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.*

This report describes Kleinfelder's assessment methodology and documents our findings, subject to the limitations presented in Section 2.5 of this report.

Kleinfelder staff conducting this ESA included James Ford, who conducted the Site reconnaissance, Bradley Baum, the primary author this report, and Brad Woodard, CPG, EI, and the Environmental Professional (EP) who reviewed this report and provided project oversight. The EP statement of qualifications is provided in Appendix A and resumes of EPs are available from Kleinfelder upon request.

## **2.2 DETAILED SCOPE-OF-SERVICES**

The following sections describe Kleinfelder's work scope:

- **Section 1**, Introduction, includes a discussion of the purpose/reason for performing the Phase I ESA, significant assumptions (e.g., property boundaries if not marked in the field), limitations, exceptions, and special terms and conditions (e.g., contractual).
- **Section 2**, Site Description, is a compilation of information concerning the Site location, legal description (if provided by the Client), current and proposed use of the Site, a description of structures and improvements on the Site at the time of Kleinfelder's assessment, and adjoining property use.
- **Section 3**, Records Review, is a compilation of Kleinfelder's review of several databases available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the Site; and nearby facilities within the search distances specified in the ASTM Standard. Records provided by the Client are summarized and copies of relevant documents are included in the appendices of this report. Physical setting sources (including topography and soil and groundwater conditions) and typical Client-provided information (e.g., title records, environmental liens, specialized knowledge, valuation reduction for environmental issues, and owner, property manager, and occupant information) are also summarized in this section. Other interviews with people knowledgeable about the Site (including the Client and government officials) are included in Section 6.
- **Section 4**, History of the Site, summarizes the history of the Site and adjoining properties. This Site history is based on various sources, which may include a review of historical aerial photographs, Sanborn Fire Insurance Maps, city or suburban directories, historical topographic maps, building department records, and results of previous Site assessments.

- **Section 5**, Site Reconnaissance, describes Kleinfelder’s observations during the Site reconnaissance. The methodology used and limiting conditions are described.
- **Section 6**, Interviews, is a summary of telephone and personal interviews performed with “Key Site Managers” that may include the Site owner/manager, occupants/tenants, and the Client. Interviews were also conducted with local and state agencies with knowledge of the Site. Additional interview sources may be contacted if Key Site Managers were not available prior to production of this report, and may include adjoining landowners and people with historical knowledge of the area.
- **Section 7**, Evaluation, is a presentation of our findings and opinions regarding the information in Sections 2 through 6, and presents our conclusions regarding the presence of RECs connected with the Site and data gaps/data failures. In some instances, Kleinfelder also presents recommendations made to assist the client in evaluating potential future actions in response to environmental condition as they may affect future construction or regulatory compliance.
- **Section 8**, References, is a summary of some of the resources used to compile this report.

Pertinent documentation regarding the Site is included in the appendices of this report. A statement of qualifications for the Kleinfelder EPs are presented in APPENDIX A. Appendices B, C, D, and E contain Site photographs, supporting documentation for regulatory database review and vapor encroachment screening, interviews, agency records review and provided documents, and historical records review, respectively.

### **2.3 ADDITIONAL SERVICES**

An evaluation of selected business environmental risks associated with the Site is not included in Kleinfelder’s scope of work. Common ASTM Standard non-scope considerations include radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality/vapor intrusion assessments, and high voltage power lines.

### **2.4 SIGNIFICANT ASSUMPTIONS**

The findings in this report reflect our observations based on visual inspections, examination of available public records, and interviews with individuals associated with or potentially having useful knowledge of the Site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the Site; analysis of the data; and reevaluation of the findings, observations, and/or conclusions in the report. Further, this report includes unverified information supplied to Kleinfelder by third-party sources. Kleinfelder does not guarantee the accuracy of the information supplied by its sources, but reserves the right to rely on this information in formulating a professional opinion on the potential for contamination at the Site. Kleinfelder also assumes the Client provided all applicable and available environmental

records and specialized knowledge regarding the Site. Kleinfelder has not made other significant assumptions during the performance of this Phase I ESA.

## **2.5 LIMITATIONS AND EXCEPTIONS**

Phase I ESAs are non-comprehensive by nature and may not identify all environmental problems, and will not eliminate all risk. This report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the Client understand and better manage risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

Kleinfelder performed this Phase I ESA consistent with the guidelines set forth in the ASTM Standard, and the proposed scope subsequently approved by our Client. No warranty, either expressed or implied, is made. Environmental issues not specifically addressed in this report were beyond the scope of our services and not included in our evaluation.

This report may be used only by the Client for the purposes stated and only within a reasonable time from its issuance, but in no event later than one year from the date of the Site reconnaissance or environmental database report, whichever occurs first. Land or facility use, on- and Off-Site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the Site visit. Portions of this report should not be relied upon after 180 days from the date of its issuance (ASTM Standard, Section 4.6). Any party other than the Client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued.

## **2.6 SPECIAL TERMS AND CONDITIONS**

No special terms and conditions were agreed to either by the Client or Kleinfelder in addition to those discussed previously or those that are contained in our proposal DEN17P57786.

### 3 SITE DESCRIPTION

The Site description presented in this section describes the condition of the Site at the time of the Phase I ESA. The Site location is depicted on Figure 1.

#### 3.1 LOCATION AND LEGAL DESCRIPTION

The information presented in **TABLE 3-1** describes the physical location and legal description of the Site. This information was obtained from a review of various maps, such as topographic maps and tax assessor maps; aerial photographs; public records at City and/or County offices; interviews; and/or information provided by the Client.

**TABLE 3-1. LOCATION AND LEGAL DESCRIPTION**

PARAMETER	INFORMATION/COMMENTS
<b>LOCATION</b>	The Site is located at the northeast corner of Section 30, T1N, R67W in Weld County, Colorado. The Site is bordered by Weld County Road 6 to the north and Weld County Road 15 to the east. The Site located adjacent to agriculture land and oil and gas development to the west and to the south.
<b>ASSESSOR'S PARCEL NUMBER</b>	Parcel Number 146930000046
<b>ADDRESSES</b>	No address is associated with the Site.
<b>CITY, COUNTY and STATE</b>	Brighton, Weld County, Colorado
<b>LATITUDE/LONGITUDE</b>	N40.02537°, W104.92840° (approximate center of the Site)
<b>ACREAGE</b>	152.84 acres
<b>ZONING</b>	Weld County Zone A AG - The A (Agricultural) Zone District is established to maintain and promote agriculture as an essential feature of the COUNTY. The A (Agricultural) Zone District is intended to provide areas for the conduct of agricultural activities and activities related to agriculture and agricultural production without the interference of other, incompatible land USES. The A (Agricultural) Zone District is also intended to provide areas for the conduct of USES by Special Review which have been determined to be more intense or to have a potentially greater impact than USES Allowed by Right. The A (Agricultural) Zone District regulations are established to promote the health, safety and general welfare of the present and future residents of the COUNTY.

#### 3.2 CURRENT / PROPOSED USE OF THE PROPERTY

Current and proposed uses are described in **TABLE 3-2**.

**TABLE 3-2. CURRENT/PROPOSED USES**

PARAMETER	GENERAL OBSERVATIONS
CURRENT USE	Agriculture and oil and gas development
PROPOSED USE	Oil and gas central processing facility

**3.3 DESCRIPTION OF STRUCTURES**

Structures and/or improvements observed on the Site at the time of Kleinfelder’s Site reconnaissance are described in **TABLE 3-3**.

**TABLE 3-3. STRUCTURES**

PARAMETER	GENERAL OBSERVATIONS
STRUCTURES	No buildings were observed within the Site boundaries; however, a residence is located outside the property boundary on northeast corner of the Site. Structures associated with oil and gas production (e.g., pumpjacks, storage tanks, process equipment, etc.) were observed.
UTILITIES	Various underground utility lines (i.e., high-pressure gas, high-voltage electrical, fiber optic, and telephone) are present as evidenced by markers and pin flags from previous utility locates. A gas pipeline bisects the Site. A high-pressure petroleum pipeline runs parallel and to the south the Site boundary and appears to be off the Site. An aboveground high-voltage bisects the site and runs east to west. Electrical lines used to power some of the pumpjacks were observed on the Site.

**3.4 CURRENT USES OF ADJOINING PROPERTIES**

Kleinfelder performed a brief walk-around and drive-by survey of the properties immediately adjoining the Site on April 21, 2017. A summary of the surrounding properties is presented in **TABLE 3-4**.

**TABLE 3-4. ADJOINING PROPERTIES**

DIRECTION	LAND USE DESCRIPTION
NORTH	The Site is bordered on the north by the Weld County Road 6, followed by agricultural and vacant land and private residences.
EAST	The Site is bordered on the east by the Weld County Road 15, followed by agricultural and vacant land, private residences, and oil and gas development.
SOUTH	The Site is adjoined to the south and west by agricultural and vacant land and oil and gas development.
WEST	The Site is adjoined to the south and west by agricultural and vacant land and oil and gas development.

Photographs of the Site and surrounding areas are included as Appendix B.

## 4 RECORDS REVIEW

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### 4.1 STANDARD ENVIRONMENTAL RECORDS SOURCES

The purpose of the records review is to obtain and review records that would help to evaluate RECs in connection with the Site and bordering properties.

Federal, state, and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, EDR, of Shelton, Connecticut on April 17, 2017, to perform the government database search for listings within the appropriate ASTM minimum search distance of the Site. A description of the types of information contained in each of the databases reviewed and the agency responsible for compiling the data is included in the EDR Radius Map™ Report with GeoCheck® (EDR Radius Map Report).

EDR utilizes a geographical information system to plot the locations of reported spills, leaks, incidents, etc. Kleinfelder reviews this information to help establish if the Site, or nearby properties, have been included in the noted databases and lists. The EDR Radius Map Report includes two maps, following the Executive Summary of EDR's report, which show the locations of the listed properties with respect to the Site, and a summary of pertinent information for these properties. For each listed property, the summaries include the name of the responsible party, the property address, the distance, and direction from the Site, and the databases and lists on which the listed property appears. Additional details regarding listed properties may be found following the Executive Summary and maps in the EDR Radius Map Report. The dates the databases were last updated are also included in the EDR Radius Map Report, dated April 17, 2017. The EDR Radius Map Report is provided in Appendix C.

Kleinfelder used an estimated regional groundwater flow direction to the southeast/south to assess the hydrologic location of the facilities with respect to the Site. The facilities were classified as either up-groundwater-gradient, down-groundwater-gradient, or cross-groundwater-gradient with respect to the Site location. Note that groundwater flow direction is variable near the Site and determinations as to down- or cross-gradient directions are best made only when groundwater flow direction is available for a specific property. Each of the listings was reviewed to assess whether the corresponding property details revealed potential environmental impacts to the Site.

### 4.2 EDR REGULATORY FINDINGS

Two listings were identified within the ASTM Standard search radii in the EDR Radius Map Report, associated with the Frisbie #1, #2, and #3 Tank Battery.

- **Frisbee #1, #2, and #3 Tank Battery** – The EDR Radius Map Report lists the Site as appearing the FINDS, AIRS, and ECHO databases. In the AIRS database, the Tank Battery is listed as having a GP-01 air permit for the release of benzene, hexane, N- and volatile organic compounds (VOCs). In the FINDS database, the Tank Battery is listed as being in the AIRS database. The facility was also listed on the EPA’s Enforcement and Compliance History Online (ECHO) database (Registry ID 110038046432) and a link was provided to obtain a detailed facility report. Based on the information reviewed in the EDR Report, the Tank Battery is not considered a REC.

### **4.3 ORPHAN LIST**

Facilities not plotted by EDR due to poor or inadequate address information are referred to as orphan facilities. The Orphan summary/unmapped facilities report was reviewed to assess the potential for off-Site properties that might pose an REC to the Site. The EDR database report identified the two orphan facilities in the LUST and in the CDL, CO ERNs databases. The first site is listed ½ mile northwest of Weld County Road 3 and Commander Drive in Erie, CO, and was identified in the CDL and CO ERNS databases. This facility was a meth lab and was located approximately 5.6 miles west of the Site. Due to the distance, it is not considered a REC.

EDR identified the second facility as the US Post Office located at 150 Weld Street in Erie, CO and was identified in the LUST database. It appears the address was incorrectly reported to EDR as the Post Office is actually located at 150 Wells Street in Erie, CO. The Post Office is located approximately 6.1 miles northwest of the Site. Due to the distance, it is not considered a REC.

### **4.4 VAPOR MIGRATION**

Vapor intrusion is the migration of vapor-phase contaminants, such as hydrocarbons or solvents, through the subsurface into structures on the surface. Kleinfelder utilized EDRs Vapor Encroachment Screening (VEC) application to evaluate the potential for vapor migration onto the Site from the adjacent facilities. The VEC is generated from the same regulatory databases as the EDR Radius Map Report and combines the potential for a vapor intrusion issue based on the distance, source, and/or groundwater gradient from the potential sources in relation to the Site. The EDR Vapor Encroachment Screen report did not indicate the potential for vapor migration at the Site based on the records included in the EDR Radius Map Report. The EDR VEC Report is provided in Appendix C.

### **4.5 OTHER RECORDS REVIEWED / AGENCIES CONTACTED**

Kleinfelder reviewed the following additional sources of environmental records for the purposes of meeting the ASTM Standard. Kleinfelder contacted local regulatory agencies for reasonably ascertainable and practically reviewable documentation regarding RECs present at the Site and adjoining facilities. Interviews with local regulatory agency representatives are included in Section 6 of this report.

#### **4.5.1 Brighton Fire Protection District**

Kleinfelder emailed the Brighton Fire Protection District (BFPD) on April 19, 2017, to request any records related to environmental releases and responses and/or records pertaining to USTs or aboveground storage tanks (ASTs) at the Site or adjoining properties. At the time of this report, no information was received from BFPD.

#### **4.5.2 Colorado Department of Public Health and Environment**

Kleinfelder contacted the Colorado Department of Public Health and Environment (CDPHE) to request information regarding environmental permits, compliance/enforcement actions, environmental responses, or other records associated with the Site. Kleinfelder provided CDPHE with a figure showing the Site and coordinates for the approximate center of the Site. Responses were received from various Divisions within CDPHE and the results are summarized below:

- Hazardous Materials and Waste Management Division, response received April 19, 2017 – using Arcmap, they did not find any records/sites within a ½-mile radius of the center of the site.
- Water Quality Control Division, response received April 20, 2017 – no responsive documents associated with the location were provided.
- Air Pollution Control Division, response received April 25, 2017 – no responsive documents associated with the location were provided.

#### **4.5.3 Colorado Oil and Gas Conservation Committee**

The Colorado Oil and Gas Conservation Commission (COGCC) maintains the Colorado Oil and Gas Information System (COGIS). The database contains information on inspections, notices of alleged violation (NOAVs), complaints, spills/releases or oil/condensate and/or produced water, remediation events, and mechanical integrity tests (MITs) associated with regulated oil and gas wells and other facilities. Kleinfelder identified six oil and gas wells, one operating tank battery, one abandoned tank battery, and one abandoned location on the Site.

- Frisbee #1 (API 05-123-08004) – Producing
- Frisbee #2 (API 05-123-08023) – Producing
- Frisbee #3 (API 05-123-08717) – Producing
- Frisbee #1, #2, #3, J.P. Rock 7-30 Tank Battery - Active
- Frisbee #4 (API 05-123-08718) – Abandoned Location
- 10J.P. Rock 7-30 (API 05-123-19987) – Producing
- Norman D Frisbie Unit #1 (API 05-123-07985) – The well was Plugged and Abandoned, January 26, 2015, and tank battery removed

Based on a review of COGIS, a release was identified at the Norman D. Frisbie Unit #1 facility. In addition, Kleinfelder reviewed spill and remediation records for facilities within Section 30 and identified a release at the Paul Jacobucci Gas Unit 1 production facility, which is located

approximately 1,600 feet south/southeast of the southwest corner of the Site. These two events are summarized below.

#### Norman D. Frisbie Unit #1 Release

Due to extreme weather/flooding in September 2013, the subject site experienced an unusually high water table, which moved the water sump and caused the associated piping to fail. The volume of the release is unknown. The damaged water sump was shut-in in September 2013. While replacing the water sump in May 2014, petroleum hydrocarbon impacted soil was encountered and was excavated and disposed. Groundwater was encountered in the excavation at approximately 5 feet below ground surface (bgs). Laboratory analytical results received on May 11, 2014, confirmed benzene, toluene, and total xylenes impacts to groundwater above the Colorado groundwater quality standards (CGWQS) at concentrations of 2,893 micrograms per liter (ug/L), 6,722 ug/L, and 3,242 ug/L, respectively. Analytical results from confirmation soil samples collected from the sidewalls of the excavation indicate total petroleum hydrocarbons (TPH), and benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX) were below COGCC Table 910-1 standards. Groundwater samples collected before and after soil excavation showed groundwater continued to exceed the CGWQS standard for benzene. A COGCC Form 19 Spill Release Report was submitted to COGCC on May 12, 2014.

During site deconstruction activities in February 2015, additional impacted soils were discovered and were excavated and disposed. Analytical results from soil confirmation samples indicated TPH and BTEX concentrations were less than COGCC Table 910-1 standards. Impacted groundwater was removed from the excavation and disposed. Groundwater samples indicated benzene and total xylene concentrations continued to exceed CGWQS. Prior to backfilling the excavation, 750 pounds of COGAC™, an activated carbon-based bioremediation product, was applied to the groundwater and clean backfill was placed in a series of lifts to ensure distribution throughout the saturated and smear zones.

Eight groundwater monitoring wells were installed at the site on July 28, 2015, and groundwater samples were collected. Results indicated concentrations of benzene, ethylbenzene, and/or total xylenes in seven of the wells exceed the CGWQS.

On September 2, 2015, the eight groundwater monitoring wells were surveyed to obtain relative groundwater elevation data, which indicated the groundwater flow direction was to the east along the northern portion of the site, but shifts to the southeast along the southern portion of the site.

A supplemental Form 19 was submitted to COGCC on September 29, 2015. According to the form, approximately 1,610 cubic yards of soil and 950 barrels (bbls) of water have been removed from the site.

A Form 27/27A Remediation Workplan (Project no. 9492) was submitted to COGCC on October 29, 2015. Based on laboratory analytical results and groundwater elevation data, no points of compliance (POCs) were established. Continuing remedial activities will include the installation of additional groundwater monitoring wells and quarterly monitoring. Based on a review of the COGIS

website, the spill/release event was closed, but the remediation event has not been closed. Due to residual groundwater impacts and no indication the remediation event was closed, this site constitutes a REC.

### Paul Jacobucci Gas Unit 1

On March 18, 2015, a historical release was discovered during plugging and abandonment activities at the Paul Jacobucci Gas Unit 1 production facility. The facility is approximately 1,600 feet south/southeast of the southwest corner of the Site.

Approximately 1,200 cubic yards of impacted material were removed and transported to Front Range Regional Landfill located in Erie, Colorado for disposal. Ten soil samples were collected from the base and sidewalls of the final extent of the excavation. Soil samples were submitted to Origins Laboratory in Denver, Colorado for analysis of BTEX and total petroleum hydrocarbons - gasoline range organics (TPH-GRO) and total petroleum hydrocarbons - diesel range organics (TPH-DRO). Analytical results showed constituent concentrations in the soil samples collected from the final extent of the excavation area were below applicable COGCC Table 910-1 standards. Based on the analytical results, Kerr-McGee requested a No Further Action (NFA) determination for this location. According to the COGIS website, the spill event was closed. Based on the status of the spill event, the location of the event in relation to the Site, and the anticipated groundwater flow direction, this site is not considered a REC.

### **Additional Spill Events**

Kleinfelder reviewed the COGIS for additional spill/release events within close proximity to the Site and located in an up-gradient groundwater flow direction from the site. Based on these criteria, one additional spill/release was identified.

### UPRR 43 Pan AM Gas Unit J 1

During the removal of the battery, impacted soils were discovered. Excavation of impacted material occurred between August 7, 2013, and August 20, 2013. Approximately 2,540 cubic yards of impacted material was removed and transported to the Front Range Regional Landfill. The spill was reported to the COGCC on August 19, 2013. Analytical laboratory results for the confirmation soil samples indicate TPH and BTEX concentrations were below allowable levels at the extent of the excavation. Groundwater was not encountered in the excavation. Based on the results, Kerr-McGee requested an NFA determination. The case was closed on August 29, 2013. This site is not considered a REC.

### **4.5.4 Division of Oil and Public Safety**

Kleinfelder accessed the Colorado Department of Labor and Employment's Division of Oil and Public Safety's (OPS) Petroleum Mapper website on April 20, 2017. The Petroleum Mapper is an interactive GIS website that shows open and closed petroleum release events associated with underground storage tank (UST) and aboveground storage tank (AST) systems. No open or

closed release events were observed within a two-mile radius of the approximate center of the Site.

#### **4.5.5 Pipeline and Hazardous Materials Safety Administration**

Kleinfelder accessed the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administrations' National Pipeline Mapping System (NPMS) Public Viewer on April 20, 2017. The NPMS Public Viewer is a web-based mapping application designed to assist the general public with displaying and querying data related to gas transmission and hazardous liquid pipelines, liquefied natural gas plants, and breakout tanks. The NPMS does not contain information regarding distribution or gas gathering pipelines. Kleinfelder also reviewed the Pipelines and Hazardous Materials Safety Administration (PHMSA) National Pipeline Mapping System website on April 20, 2017, for records of gas or oil pipelines on or adjacent to the Site. According to PHMSA, a hazardous liquid pipeline runs through the western half of Section 29, and comes within approximately 585 feet of the eastern border of the Site. A gas transmission pipeline runs along Weld County Road 4, which is the southern boundary of Section 30.

**TABLE 4-1** presents information concerning the physical setting of the Site. This information was obtained from the EDR report and published maps.

**TABLE 4-1. PHYSICAL SETTING**

DATA	GENERAL INFORMATION
<b>TOPOGRAPHY</b>	The Site's topographic gradient slopes to southeast. The Site has an approximate elevation of 5,088 feet above mean sea level.
<b>SOIL TYPE</b>	The primary soil types at and in the vicinity of the Site are the Nunn and Ulm clay loams, which are composed of well drained clay loams with slow infiltration rates; Aquolls, which are composed of poorly-drained clayey soils with very slow infiltration rates; the Wiley silt loam, which is composed of well drained silt loams with moderate infiltration rates; and the Weld loam, which is composed of well drained loams with slow infiltration rates.
<b>WATER WELLS</b>	There are 21 water wells within a one - mile radius of the approximate center of the Site. There are no water wells on the Site.
<b>OIL &amp; GAS WELLS</b>	There are 68 oil and gas wells/sites within a one-mile radius of the approximate center of the Site. A review of the COGCC's database of Well Surface Location Data shows there are approximately 38 producing, shut-in, temporarily abandoned, or injection wells one-mile radius of the approximate center of the Site.
<b>WETLANDS AND FLOODPLAINS</b>	The ephemeral stream running through the Site was found in the National Hydrography Dataset (NHD) and was also found on the National Wetlands Inventory (NWI) database (see Figure 3)
<b>ENDANGERED SPECIES</b>	The Site is located within Prebles Jumping Mouse overall range, Bald Eagle winter range, and Mule Deer overall and summer range (See Figure 4). According to the COGCC GISOnline viewer, the site is not located within and restricted surface occupancy (RSO) areas or sensitive wildlife habitat (SWH).

Information about the Site regional geology is presented in **TABLE 4-2**. This information was obtained by Kleinfelder from published data and maps, or interviews with public agencies.

**TABLE 4-2. REGIONAL GEOLOGY AND HYDROGEOLOGY**

PHYSICAL PARAMETER	INFORMATION/COMMENTS
<p align="center"><b>REGIONAL PHYSIOGRAPHY AND GEOLOGY</b></p>	<p>The Site is located within the Colorado Piedmont, which consists of a broad hilly valley, just under 5000 feet in elevation, stretching north and northeast from Denver in the valley of the South Platte River, as well as along the Arkansas River valley southward from Colorado Springs.</p> <p>Geology near of the Site is characterized as Dawson and Arapahoe Formations (Tkda) consisting of sandstone and conglomeritic sandstone and interbedded siltstone and shale.</p>
<p align="center"><b>DEPTH OF REGIONAL GROUNDWATER AND DIRECTION OF ANTICIPATED FLOW<sup>1</sup></b></p>	<p>Based on topographic maps, the anticipated groundwater flow direction is southeast. Based on the remediation work conducted at the Norman D. Frisbie Unit 1, depth to groundwater is approximately 5 feet bgs and flows east to southeast</p>
<p align="center"><b>WATER SUPPLY</b></p>	<p>No potable water supply is available within the Site boundaries.</p>
<p align="center"><b>FLOOD ZONE DESIGNATION</b></p>	<p>According to the EDR database and COGCC GISOnline viewer, the Site is not located within either a 100-year or a 500-year floodplain.</p>

#### 4.6 USER PROVIDED INFORMATION

Information regarding the current owners/occupants of the Site is summarized in **TABLE 4-3**.

**TABLE 4-3. OWNER / OCCUPANT INFORMATION**

ENTITY	NAME
<p align="center"><b>OWNER</b></p>	<p align="center">Rock Family Partnership</p>
<p align="center"><b>OCCUPANT(S)</b></p>	<p align="center">Vacant except for oil and gas production facilities</p>

Summaries of interviews of key individuals with knowledge of the Site (“Key Site Managers”) are provided in Section 6.

##### 4.6.1 Title Records

No title records were provided for review.

##### 4.6.2 Environmental Liens and Usage Limitations

The EDR Radius Map Report did not identify environmental liens, Activity and Use Limitations (AULs), or judgment liens identified to be associated with the Site. In addition, the property owner was not aware of any Environmental Liens or other issues associated with the Site.

<sup>1</sup> Groundwater flow direction is based on regional information sources. Site-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and other factors.

### 4.6.3 Value Reduction

As part of the ASTM Designation E 1527-13 process, information is to be gathered regarding the prospective purchase price of the Site relative to its fair market value prior to transfer of ownership of the property. Based on information provided by Extraction, the purchase exchange reflects the fair market value. A copy of the User Questionnaire provided by Extraction is located in Appendix D.

### 4.6.4 Other Information/Documents Provided

The historical use of the Site was researched to identify obvious uses. Historical land use was researched to the first developed use, or 1940, whichever was earlier or readily available. **TABLE 4-4** summarizes the availability of information reviewed during this assessment.

**TABLE 4-4. HISTORICAL INFORMATION SOURCES**

SOURCE	YEARS REVIEWED	SOURCE / AVAILABILITY
<b>SANBORN FIRE INSURANCE MAPS</b>	None Available	EDR, 4910495.3
<b>AERIAL PHOTOGRAPHS</b>	1937, 1941, 1949, 1966, 1969, 1970, 1978, 1984, 1988, 1991, 1993, 1994, <b>2002, 2003, 2004, 2005, 2006, 2008</b> , 2009, 2010, 2011, <b>2012, 2013, 2014, and 2015</b>	EDR, 4910495.9 and <b>Google Earth</b>
<b>CITY DIRECTORIES</b>	1977, 1982, 1987, 1995, 1999, 2003, 2008, and 2013	EDR, 49147971
<b>HISTORICAL TOPOGRAPHIC MAP REPORT</b>	1902, 1950, 1969, 1979, 1994, and 2013	EDR, 4910495.4

### 4.7 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps provide historical land use information for some metropolitan areas and small, established towns. The maps generally show the type of building construction, and locations of doors and windows. No Sanborn Fire Insurance maps were available for this Site. A copy of the EDR Sanborn Map Report is included in Appendix E.

## 4.8 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means or observed during a Site reconnaissance. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from EDR and reviewed on Google Earth. A tabulation of the aerial photographs reviewed by Kleinfelder is presented in **TABLE 4-5**. Copies of the EDR provided aerial photographs are included in Appendix E.

**TABLE 4-5. HISTORICAL EDR AERIAL PHOTOGRAPHS REVIEWED**

DATE	APPROXIMATE SCALE	TYPE	QUALITY
1937	1"=500'	Black and White	Good
1941	1"=500'	Black and White	Good
1949	1"=500'	Black and White	Good
1966	1"=500'	Black and White	Good
1969	1"=750'	Black and White	Fair
1970	1"=500'	Black and White	Good
1978	1"=750'	Color	Good
1984	1"=500'	Color	Good
1988	1"=750'	Color	Fair
1991	1"=500'	Color	Fair
1993 <sup>1</sup>	Varies	Black and White	Good
1994	1"=500'	Black and White	Good
<b>2002</b>	<b>Varies</b>	<b>Color</b>	<b>Good</b>
<b>2003<sup>2</sup></b>	<b>Varies</b>	<b>Color</b>	<b>Varies</b>
<b>2004</b>	<b>Varies</b>	<b>Color</b>	<b>Fair</b>
<b>2005<sup>2</sup></b>	<b>Varies</b>	<b>Color</b>	<b>Fair</b>
<b>2006<sup>2</sup></b>	<b>Varies</b>	<b>Color</b>	<b>Varies</b>
<b>2008</b>	<b>Varies</b>	<b>Color</b>	<b>Good</b>
2009	1"=500'	Color	Good
<b>2010<sup>2</sup></b>	<b>Varies</b>	<b>Color</b>	<b>Varies</b>
2011 <sup>1</sup>	Varies	Color	Varies
<b>2012</b>	<b>Varies</b>	<b>Color</b>	<b>Good</b>
<b>2013</b>	<b>Varies</b>	<b>Color</b>	<b>Good</b>
<b>2014<sup>2</sup></b>	<b>Varies</b>	<b>Color</b>	<b>Good</b>
<b>2015</b>	<b>Varies</b>	<b>Color</b>	<b>Good</b>

Notes: Aerial photographs only provide information concerning indications of land use, and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.

<sup>1</sup> – Photos provided by EDR and available on Google Earth

<sup>2</sup> – Multiple photos available for the year

**Bolded** dates are Google Earth images.

#### **4.8.1 Site and Surrounding Areas**

In the 1937 aerial photo, the Site is generally in agriculture use. It appears the railroad was removed, through the railroad grade still exists. A stock pond is located on the stream running through the Site. A residence occupies the very northeast corner of the section, which is not part of the Site. A pond-like structure is located at the southeast corner of the residence and may straddle the boundaries between the residence and the Site. The surrounding lands appears to be in agriculture use. Weld County Road 6 and 15 are present. It appears there are some buildings and storage possibly related to agriculture activities across Weld County Road 6 and north of the residence adjacent to the northeast corner of the site.

No significant changes were observed in the aerial photos taken between 1941 and 1970. The pond like structure southeast of the residence is missing from the 1966 and later aerial photos.

In the 1978 aerial photo, roads surrounding Section 30 are improved and additional residences and possible oil and gas development are seen on the surrounding lands.

In the 1984 aerial photo, five oil and gas production facilities are present. Oil and gas activity appears to be greater on the surrounding lands as well.

No significant changes were observed in the aerial photos taken between 1988 and 1994.

In the 2005 aerial photo, an additional oil and gas production facility is present south of the stream running through the site.

In the 2006 aerial photo, a shop-like structure is present across Weld County Road 6 and northwest of the Site.

In the 2011 aerial photo, above ground powerlines are present and bisect the site running east/west.

No significant changes were observed in the aerial photos taken between 2011 and 2015.

#### **4.9 CITY DIRECTORIES**

The EDR-City Directory Abstract (City Directory) provides the names of site occupants, located by address, for each year published on various directories and are utilized to help assess past uses of a property. If no numbered building exists on the Site (i.e., a residential or commercial building), the property will not appear in the City Directory. The following is a summary of Site listings as well as identified listings on surrounding properties that could have the potential to environmentally impact the Site based on historical operations. A copy of the City Directory is provided in Appendix E.

#### 4.9.1 Site and Surrounding Areas

The Site was not listed in the City Directory report, indicating a lack of buildings with formal addresses within the Site boundaries. Adjacent current and former facilities of note were identified in the City Directory report, as follows:

- The approximately 8-acre parcel in the northeast corner of Section 30 and immediately adjacent to the Site is the residence of Kevin Glardon, with an address of 1989 County Road 15. Kevin Glardon is listed as the resident from 2003 through 2013. Margie Stribling was listed as the resident in the 1987 City Directory Report and John Ray Rock was listed as the resident in the 1982 City Directory Report. No records for the address were observed for 1977 and 1999.
- The property adjacent to and north of the Site, across Weld County Road 6, is the residence of James Glardon with an address of 6743 County Road 6. James Glardon is listed as the resident at the address in each of the directories reviewed.
- The property adjacent to and northeast of the Site, across Weld County Road 6, is the residence of Arlyne Glardon with an address of 6989 County Road 6. Arlyne Glardon is listed as the resident at the address in the 2003, 2008, and 2013 directories.
- The property adjacent to and northeast of the Site was the residence of Elisha Glardon with an address of 6982 County Road 6. This address was listed in the 1981 and 1986 directories.
- The property adjacent to and southeast of the Site is the residence of Larry Frank with an address of 1596 County Road 15. This address was listed in the 2003, 2008, and 2015 directories. No records for the address were observed in the 1977, 1982, 1987, and 1999 directories.
- Although not located adjacent to the Site, a property identified approximately 140 feet to the northwest of the Site was noted in directories as Kelly's Construction Debris Removal, with an address of 6435 Weld County Road 6. A review of Google Earth showed a commercial-type building at the location along with debris and other materials stored on the entrance and to the north along the estimated property boundary. The address was only listed in the 2013 directory.

Our review of the City Directory records for historical occupants of the Site and nearby properties did not identify property uses that appear to present an environmental concern to the Site. A copy of the City Directory report is provided in Appendix E.

#### 4.10 HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained historical topographic maps of the Site vicinity from EDR. The topographic maps reviewed for this assessment are listed in **TABLE 4-6**.

**TABLE 4-6. HISTORICAL TOPOGRAPHIC MAPS REVIEWED**

Year	Quadrangle	Series	Scale
1902	Greeley	30 minute	1:125,000
1950	Frederick	7.5 minute	1:24,000
1969	Frederick	7.5 minute	1:24,000
1979	Frederick	7.5 minute	1:24,000
1994	Frederick	7.5 minute	1:24,000
2013	Frederick	7.5 minute	1:24,000

#### 4.10.1 Site and Surrounding Area

A review of historical U.S. Geological Survey (USGS) Topographic Maps may indicate past activities and development at a property. Kleinfelder obtained and reviewed the EDR Historical Topo Map Report. Typically, the first year provided is the original map date and subsequent years are photo-revised maps from the original map date. The reviewed EDR topographic maps are provided in Appendix E.

The Site is depicted as undeveloped property on each of the topographic maps reviewed. On the 1902 topographic map, a railroad line is shown traversing the Site in a northwest to southeast direction. Just south and paralleling the railroad appears to be a topographic draw indicative of a dry/ephemeral stream. An improved road borders the north edge of the Site and another improved road runs along the railroad track. An unimproved two-track road is located just off the west boundary of the Site. No development is depicted adjacent to the Site.

On the 1950 topographic map, the road running along the railroad track and the two-track are no longer depicted. An improved road is depicted on the east side of the Site. A blue-line ephemeral stream is depicted south off the railroad track. A building is depicted off the northeast corner of the Site.

On the 1969 topographic map, the railroad running through the Site is depicted as an old railroad grade and there are two new additional structures off the northeast corner of the Site. A stock pond is located on the blue-line ephemeral stream.

On the 1979 topographic map, there appears to be activity associated with oil and gas production. An unimproved road runs along the old railroad grade, with a spur road leading to one of the wells. In addition, there are two new structures, believe to be a tank battery, located on the oil railroad grade and near the center of the Site. Additional development was observed north of the Site and additional oil and gas development to the east of the site.

No significant changes were observed on the 1994 topographic map. However, addition oil and gas and other developments were observed to the around the Site.

No significant changes were observed on the 2013 topographic map; however, the topographic map lacked the detail of the previous maps regarding buildings and other symbols of development. Additional spur roads leading to oil and gas wells were observed. The stock pond is no longer depicted on the blue-line ephemeral stream

#### **4.11 PREVIOUS ASSESSMENTS**

No previous assessments of the Site were provided to Kleinfelder for review.

## 5 SITE RECONNAISSANCE

Kleinfelder’s Phase I ESA activities included a Site reconnaissance. This section summarizes the findings from the Site reconnaissance.

### 5.1 METHODOLOGY AND LIMITING CONDITIONS

Mr. James Ford, an Environmental Scientist with Kleinfelder, of Kleinfelder, performed a Site reconnaissance on April 21, 2017. The Site reconnaissance included a visual inspection of the Site to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water at the Site (i.e., RECs). Observations of readily apparent environmental conditions are summarized in Table 5-1, and color photographs of the Site are included as Appendix B. The approximate Site boundaries and observed features are shown on Figure 2 (Site Plan).

### 5.2 GENERAL SITE SETTING

The Site consists of approximately 152-acres of relatively flat, farmland with historic and current oil and gas development.

The Site is surrounded on all sides by agricultural lands, private residences and businesses, and oil and gas development.

### 5.3 SITE OBSERVATIONS

Kleinfelder’s Site observations are summarized in **TABLE 5-1**

**TABLE 5-1. SITE OBSERVATIONS**

General Observations	Remarks	Observed	Not Observed
Current use	Agriculture and oil and gas production	X	
Current use likely to indicate RECs	Oil and gas (O&G) development	X	
Past use	Agriculture, O&G, railroad	X	
Past use likely to indicate RECs	O&G, railroad	X	
Structures	One residence, which is technically offsite; structures associated with O&G development and production (e.g., pumpjacks, storage tanks, process equipment, etc.)	X	

Roads	East county road is graveled; north county road is paved; former railroad grade is being used as an O&G lease road, railroad base material appears to be present under the road in areas	X	
Topography of Site and surrounding area	Primarily flat, generally sloping to the south/southwest	X	
<b>Interior and exterior observations or environmental conditions that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products.</b>		<b>Observed</b>	<b>Not Observed</b>
Aboveground storage tanks (ASTs)	Propane tank at residence, surround residences have ASTs; two 300 bbl storage tank at the O&G tank battery	X	
Below grade vaults	Pipeline vault offsite to east; pipeline vault at the O&G tank battery	X	
Burned or buried debris	None observed.		X
Chemical storage	None observed.		X
Chemical mixing areas	None observed.		X
Discolored soil or water	Small surficial to small moderate oil staining at wellheads	X	
Ditches, streams	Roadside drainage ditch along northern and eastern property lines; old irrigation ditch along most of the southern property line, old concrete dam-type structure observed in ditch at southwest corner of property; wetland/stream bisection the site	X	
Drains and piping (e.g. floor drains, floor trenches, bay drains, sand traps, grease traps)	None observed.		X
Drums	Seven lubricant drums observed on west side of the residence in northeast corner of site, drums appeared empty and rusted out, no staining observed due to limited access; one drum observed in the wetland/stream near the southeast corner of site	X	

<b>Interior and exterior observations or environmental conditions that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products.</b>		<b>Observed</b>	<b>Not Observed</b>
Electrical or hydraulic equipment (polychlorinated biphenyls [PCBs])	Four transformers with “no PCB” stickers observed offsite and to the east; two transformers missing PCB content stickers were observed at the Frisbie 1, Frisbie 2, and Frisbie 3 well pads	X	
Fill dirt from an unknown source	None observed.		X
Fill dirt from a known source	None observed.		X
Hazardous chemical and petroleum products in connection with known use	Active O&G wells and tank battery	X	
Hazardous chemical and petroleum products in connection with unknown use	None observed.		X
Non-hazardous containers with contents	None observed.		X
Hazardous waste storage	None observed.		X
Heating and cooling system and fuel source	Propane for residence adjacent to northeast corner of site	X	
Industrial waste treatment equipment	None observed.		X
Loading and unloading areas	Crude oil and produced water loading area at tank battery	X	
Odors	None observed.		X
Pits, ponds, or lagoons	A pond observed in aerial photos in the southeast corner of the residence, but no evidence of the pond was observed during the site visit		X
Pools of liquid	None observed.		X
Process waste water	None observed.		X
Sanitary sewer system	None observed.		X
Septic system (e.g. tank and leach fields)	Leachfield present in southeast corner of the residence	X	

Soil piles	Waste pile, including soil, observed on south side of access road as it enters the eastern side of the site; piles of soil and manure observed near the Frisbee #2	X	
<b>Interior and exterior observations or environmental conditions that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products.</b>		<b>Observed</b>	<b>Not Observed</b>
	<b>Observed</b>		
Solid waste/evidence of Unauthorized Dumping	Wood and one drum observed in low area with two soil piles on southern boundary of residence in the northeast corner of the site. Trash/refuse scattered around perimeter of site.	X	
Stained pavement, soil or concrete	Small surficial to small moderate oil staining at wellheads; stained soil behind the pumpjack engine at the J.P Rock #7-30	X	
Stains or corrosion (interior, non-water)	None observed.		X
Storm drains/catch basins	None observed.		X
Stressed vegetation	Vegetation/crops not coming in in northeast corner of site and along eastern boundary.	X	
Sumps and clarifiers	None observed.		X
Surface water	Low-lying wet area full of cattails in southeast corner of site; drainage bisecting site from west to southeast; stock pond in west-central part of the site.	X	
Underground Storage tank(s) (including heating oil tanks)	None observed.		X
Unidentified substance containers	None observed.		X
Waste water discharge	None observed.		X
Water supplies (potable and process)	None observed.		X
Wells (irrigation, monitoring, or domestic)	Fifteen monitoring wells at the former tank battery located just northeast of the Norman D Frisbie Unit #1 well, which was plugged and abandoned.	X	
Wells (dry)	None observed.		X

Wells (oil and gas)	<ul style="list-style-type: none"> <li>• Norman D Frisbie Unit 1 (API 05-123-07985)– plugged and abandoned</li> <li>• Frisbie 1 (API 05-123-08004) - Producing</li> <li>• Frisbie 2 (API 05-123-08023) - Producing</li> <li>• Frisbie 3 (API 05-123-08717) - Producing</li> <li>• J.P. Rock 7-30 (API 05-123-19987) - Producing</li> </ul>	X	
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#### 5.4 RESULTS OF SITE RECONNAISSANCE

Kleinfelder performed a visual reconnaissance of the Site and adjoining properties on April 21, 2017. At the time of the reconnaissance, the weather was partly overcast and cool and the ground was free of snow or other obstructions. Kleinfelder was instructed by Extraction to minimize walking in the fields. A sign at the entrance to the Site from Weld County Road 15 reads “Danger, Hazardous Area, Keep Out”.

Land parcels general vicinity and adjacent to the Site was observed during our reconnaissance. The Site is bordered on the north by the Weld County Road 6, followed by agricultural and vacant land, private residences, and businesses. The Site is bordered on the east by the Weld County Road 15, followed by agricultural and vacant land, private residences, and oil and gas development. The Site is adjoined to the south and west by agricultural and vacant land and oil and gas development.

The Site comprises most of the northeast corner of Section 30 in Township 1 North, Range 67 West, 6<sup>th</sup> Prime Meridian and is currently used for agriculture and oil and gas extraction. An ephemeral stream bisects the Site running northwest to southeast and a stock pond was constructed on the stream. An abandoned railroad grade running parallel and to the north of the stream was converted into an access road and is used to access oil and gas production facilities in the interior of the Site. Old railroad base material was observed under the road in some areas. A roadside ditch runs along the north and east property boundaries and an old irrigation ditch runs along most of the southern boundary of the site.

No buildings or other structures were observed on the Site, with the exception of equipment related to oil and gas extraction (e.g., pumpjacks, storage tanks, process equipment, etc.). Various underground utility lines (i.e., high-pressure gas, high-voltage electrical, fiber optic, and telephone) are present as evidenced by markers and pin flags from previous utility locates. A gas pipeline bisects the Site. A high-pressure petroleum pipeline runs parallel and to the south the Site boundary and appears to be off the Site. An aboveground high-voltage electric line bisects the site and runs east to west. Electrical lines used to power some of the pumpjacks were observed on the Site.

A private residence occupies approximately eight acres of the very northeast corner of the Site. Farm equipment, trash, and abandoned drums were observed on and along the boundary of the residence and the Site. A pond-like structure was observed in historical photos from 1937 to 1949

in the very southwest corner of the residence and may have straddled the property line. No evidence of the pit was observed during the Site visit. Disturbance associated with a leach field was located in the same area as the former pit.

A roadside ditch runs along the north and east property boundaries and an old irrigation ditch runs along most of the southern boundary of the site.

Four currently producing oil and gas wells and an associated tank battery were observed. The following wellpads were inspected:

- Frisbee #1 (API 05-123-08004) – Producing
- Frisbee #2 (API 05-123-08023) – Producing
- Frisbee #3 (API 05-123-08717) – Producing
- J.P. Rock 7-30 (API 05-123-19987) – Producing

The Frisbee #1, #2, #3, J.P Rock 7-30 Tank Battery, located near the middle of the Site and just off the access road, was inspected. Equipment observed onsite included a tank battery with two 300-bbl storage tanks located within an earthen berm and a heater treater.

Fifteen monitoring wells, including flush mounted and aboveground wells, were observed at the abandoned tank battery associated with the plugged and abandoned Norman D. Frisbee Unit #1 well. Based on aerial photographs, it appears the tank battery was abandoned sometime October 2014 and October 2015. Equipment at the site while it was in operation included one oil storage tank, one produced water tank, and separation equipment. A pig launcher/receiver and associated piping surrounded by a tube fence still exists at the site.

Based on the results of our Site reconnaissance, several potential environmental concerns were observed on the Site or adjoining properties, including:

- Currently producing oil and gas wells and production facilities;
- An operating oil and gas tank battery;
- Underground flows lines that transport well fluids to the tank battery;
- An abandoned railroad grade;
- Abandoned and rusted-out lubricant drums along the western boundary of the private residence;
- An abandoned drum located in the stream near the southeast corner of the Site near the Frisbie #1, and
- Electrical transformers on three well pads that are missing stickers indicating whether PCBs are present or not.

## 6 INTERVIEWS

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Key Managers of the Site are typically contacted to obtain current and historical environmental information concerning the Site. The following sections highlight information revealed during the interviews.

### 6.1 INTERVIEW WITH OWNER

The property owner completed the Owner Questionnaire (Appendix D). The owner is not aware of any past or current Site uses that would present an environmental concern to the property. The owner was not able to provide any regulatory or environment documents regarding assessments, registrations, plans, studies, etc. to Kleinfelder for review.

The owner noted seeing two 300-gallon oil ASTs on the Site, noting they were in good condition.

Methods and permits for containing, storing, disposing of hazardous waste were noted as “Not Applicable”.

The Site is not served by a private well or non-public water system.

The owner does not have any knowledge regarding ongoing or pending environmental cleanups, environmental liens, notifications of past or present violations of environmental laws, or lawsuits or administrative proceedings relevant to a release of a hazardous substance or petroleum product in, on, or from the property.

Wheat and corn or barely are grown on the Site, except of the acreage on the northwest side of the property and rotated yearly. Roundup, with Gunsmoke as an activator, and Monsoon were applied four times during May and June 2016. The pesticides are mixed off Site and

### 6.2 INTERVIEW WITH USER

Kleinfelder provided Extraction with a User Questionnaire, which was completed on April 17, 2017, by Mr. Lance Fondren, the ROW and Land Manager with Extraction’s midstream entity. According to completed questionnaire, Mr. Fondren is not aware of any environmental cleanup liens filed against the property or any AULs that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law. Mr. Fondren does not have any specialized knowledge or experience related to the property or nearby properties concerning historic or current chemical usages or specialized processes. Based on Mr. Fondren’s knowledge and experience, he is not aware of any chemical releases, environmental cleanups, or obvious indicators of the presence or likely presence of contamination at the Site.

The Site is used for agriculture and oil and gas operations and the purchase price reasonably reflects the fair market value of the property.

## 7 EVALUATION

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This report was prepared using ASTM International (ASTM, formerly known as the American Society for Testing and Materials) Designation E 1527-13, “*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*” (the ASTM Standard), in accordance with Kleinfelder’s November 8, 2016 proposal SLC16P49694. Findings address RECs, historical RECs, and notation of *de minimis* quantities, as applicable to the Site. In summary, Kleinfelder’s assessment revealed the following information concerning the Site.

### 7.1 BACKGROUND

The Site consists of approximately 152-acres of relatively flat, farmland with historic and current oil and gas development. An ephemeral stream bisects the Site and runs northwest to southeast. A stock pond was constructed on the stream. An abandoned railroad grade running parallel and to the north of the stream was converted into an access road and is used to access oil and gas production facilities in the interior of the Site. Based on a review of historical documents and interview information, the Site has remained in agriculture since 1937, with the exception of oil and gas development beginning around 1974. Based on a review of aerial photos, the surrounding property has historically been used for farming, oil and gas production, residences, and small businesses.

### 7.2 DEVIATIONS AND ADDITIONAL SERVICES

The scope of this Phase I does not incorporate ASTM Standard non-scope considerations, such as, but not limited to, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality/vapor intrusion, and high-voltage power lines.

### 7.3 FINDINGS, OPINIONS, AND CONCLUSIONS

Kleinfelder performed a Phase I, in conformance with the scope of services required by ASTM Standard Designation E 1527-13 and our proposal DEN17P57786. Exceptions to and deviations from this practice are described in Section 7.2 of this report.

Kleinfelder’s Phase I ESA identified the following RECs in relation to the Site:

- Based on a review of the COGIS database, a release of condensate and produced water occurred at the Norman D. Frisbie Unit #1 tank battery, resulting in impacted soil and groundwater. Due to residual groundwater impacts, ongoing groundwater monitoring events, and no indication the remediation event was closed, this facility represents a REC to the Site.
- Oil and gas production facilities utilize underground flow lines to transport well fluids to production equipment and large aboveground, partially buried, or fully buried tanks to store processed fluids. Releases of fluids to the environment can occur without the operator’s knowledge and may continue for a long period of time and impact large volumes of soil or

the underlying groundwater. These releases may only to be discovered when addressing another spill/release event, repairing equipment, or the removing of the facility. Due to this, the oil and gas production facilities represent a REC to the Site.

- Hazardous substances may be released or spilled from railcars while travelling along a railroad or by derailing. Even though Kleinfelder did not observe any documentation of train derailments, the presence of a historic railroad material running through the Site and possible releases of hazardous materials from railcars represents a REC to the Site.
- Abandoned drums represent possible sources of contaminants to the environment. Even though no staining around the drums was observed, the amount of time the drums were present on the Site and whether they contained chemicals or were emptied and discarded prior to abandonment is unknown. Therefore, the abandoned drums at the private residence and near the Frisbie #1 represent a REC to the Site.
- Electrical transformers were present at three of the oil and gas production facilities. No information regarding whether the transformers contained polychlorinated biphenyls was present. Due to this, the transformers represent a REC to the Site

Kleinfelder's Phase I ESA did not identify HRECs or CRECS in association with the Site.

### **7.3.1 Data Gaps and Data Failures**

Although Kleinfelder attempted to obtain reasonably ascertainable information regarding the Site, some information was either not received or not readily available at the time of this report.

Therefore, consistent with ASTM Standard Practice E 1527-13, the following data gaps have been identified:

- Kleinfelder did not receive any correspondence from Brighton Fire Protection District
- Kleinfelder did not interview the previous owner of the Site.
- A current title report was not received from the Client.

Although the above-listed data gaps occurred, based on the information obtained during the review of historical aerial photographs, topographic maps, state environmental and oil and gas commission databases, as well as correspondence with the current owner, the data gaps do not affect our ability to make conclusions and recommendations and are not considered data failures.

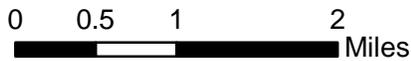
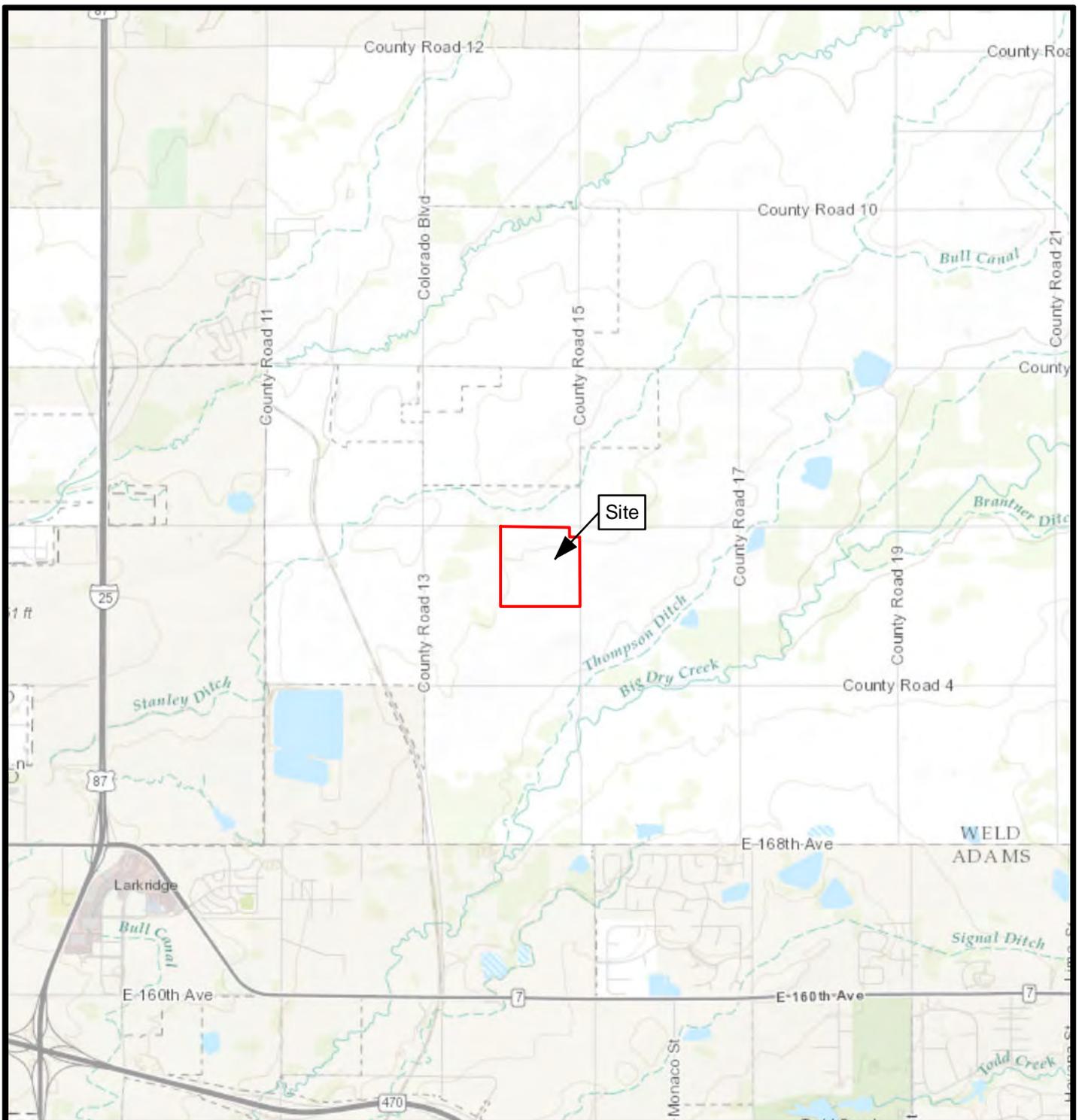
## 8 REFERENCES

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- EDR, Certified Sanborn® Map Report, SW Wattenberg CF, Weld County Road 6, Brighton, CO 80603, Inquiry Number: 4910495.3, dated April 17, 2017.
- EDR, EDR Historical Topo Map Report with QuadMatch™, SW Wattenberg CF, Weld County Road 6, Brighton, CO 80603, Inquiry Number: 4910495.4, dated April 17, 2017.
- EDR, The EDR Aerial Photo Decade Package, SW Wattenberg CF, Weld County Road 6, Brighton, CO 80603, Inquiry Number: 4910495.9, dated April 17, 2017.
- EDR, Vapor Encroachment Screen, Prepared by Kleinfelder, dated April 19, 2017.
- EDR, The EDR-City Directory Image Report, SW Wattenberg CF, Weld County Road 6, Brighton, CO 80603, Inquiry Number: 49147971, dated April 25, 2017
- Pipeline and Hazardous Materials Safety Administration National Pipeline Mapping System Website, <https://www.npms.phmsa.dot.gov/>, accessed April 20, 2017.
- Weld County, Weld County Property Portal, <https://www.co.weld.co.us/apps1/propertyportal/>, accessed April 19, 2017.

## FIGURES

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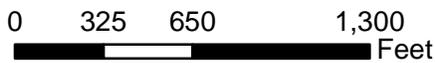
**EXPLANATION**

 Site Boundary



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 <p><b>KLEINFELDER</b> Bright People. Right Solutions. www.kleinfelder.com</p>	PROJECT NO. 20180224	SITE VICINITY MAP	FIGURE
	DRAWN: 5/5/2017		
	DRAWN BY: B. McDavid	Phase I Environmental Site Assessment 152-Acre Agricultural Property NE ¼ of Section 30, T1N, R67W Weld County, Colorado	1
	CHECKED BY: B. Baum		
FILE NAME: 1_SiteMap.mxd			



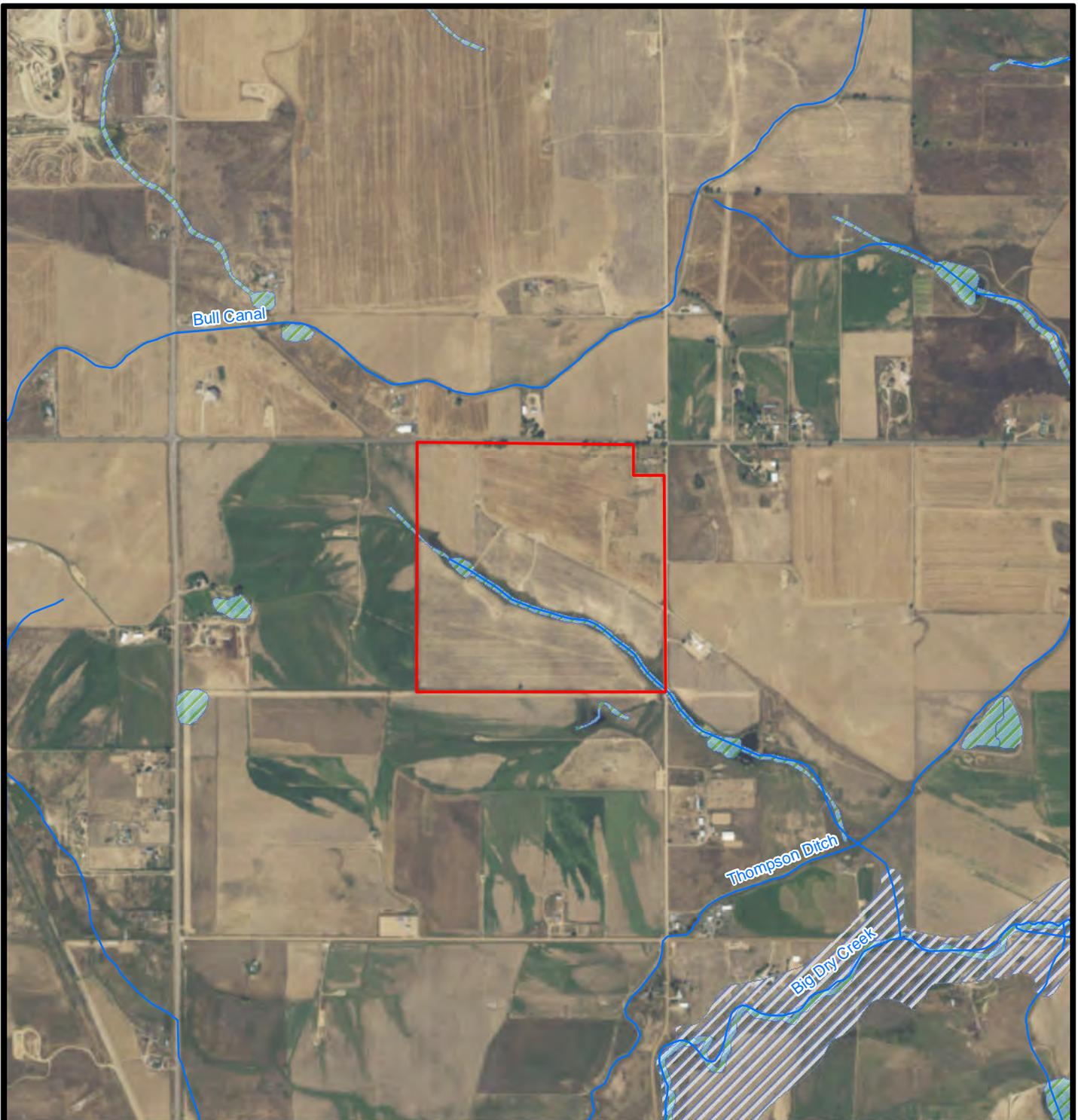
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### EXPLANATION

- Site Boundary
- ▲ Producing
- ▲ Tank Battery
- ▲ Plugged/Abandoned



 <b>Bright People. Right Solutions.</b> <a href="http://www.kleinfelder.com">www.kleinfelder.com</a>	PROJECT NO. 20180224	<b>SITE RECONNAISSANCE MAP</b>  Phase I Environmental Site Assessment 152-Acre Agricultural Property NE ¼ of Section 30, T1N, R67W Weld County, Colorado	FIGURE
	DRAWN: 5/5/2017		2
	DRAWN BY: B. McDavid		
	CHECKED BY: B. Baum		
FILE NAME: 2_SiteRecon.mxd			



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**EXPLANATION**

- Site Boundary
- NWI Wetlands
- NHD Stream
- FEMA Floodplain



 <b>KLEINFELDER</b> <i>Bright People. Right Solutions.</i> <a href="http://www.kleinfelder.com">www.kleinfelder.com</a>	PROJECT NO. 20180224	<b>HYDROLOGIC FEATURES</b>  Phase I Environmental Site Assessment 152-Acre Agricultural Property NE ¼ of Section 30, T1N, R67W Weld County, Colorado	FIGURE
	DRAWN: 5/5/2017		3
	DRAWN BY: B. McDavid		
	CHECKED BY: B. Baum		
FILE NAME: 3_Floodplain.mxd			



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**EXPLANATION**

-  Site Boundary
-  Prebles Jumping Mouse Overall Range
-  Bald Eagle Winter Range
-  Mule Deer Overall & Summer Range



 <p><b>KLEINFELDER</b> Bright People. Right Solutions. www.kleinfelder.com</p>	PROJECT NO. 20180224	THREATENED & ENDANGERED SPECIES	FIGURE  4
	DRAWN: 5/5/2017		
	DRAWN BY: B. McDavid	Phase I Environmental Site Assessment 152-Acre Agricultural Property NE ¼ of Section 30, T1N, R67W Weld County, Colorado	
	CHECKED BY: B. Baum		
	FILE NAME: 4_T&E.mxd		

**APPENDIX A.  
STATEMENT OF QUALIFICATIONS**

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**APPENDIX A.  
STATEMENT OF QUALIFICATIONS**

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## STATEMENT OF QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

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I declare that to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of 40 CFR, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Section 312.



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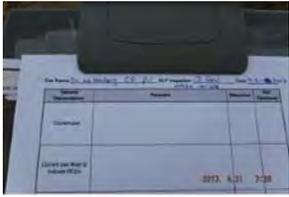
Date: May 5, 2017

Brad A. Woodard EI, CPG  
Project Manager III

The résumé of above-listed environmental professional performing this environmental site assessment are on file at the Kleinfelder office and are available on request.

**APPENDIX B.  
SITE PHOTOGRAPHS**

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DSCF8416



DSCF8423



DSCF8422



DSCF8424



DSCF8439



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DSCF8857



DSCF8879



DSCF8858



DSCF8859



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DSCF8862



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DSCF8865



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DSCF9025



DSCF9018



DSCF9040



DSCF9019



DSCF9020



DSCF9021



DSCF9022



DSCF9023



DSCF9033



DSCF9026



DSCF9048



DSCF9027



DSCF9028



DSCF9029



DSCF9030



DSCF9031



DSCF9041



DSCF9034



DSCF9056



DSCF9035



DSCF9036



DSCF9037



DSCF9038



DSCF9039



DSCF9049



DSCF9042



DSCF9064



DSCF9043



DSCF9044



DSCF9045



DSCF9046



DSCF9047



DSCF9057



DSCF9050



DSCF9072



DSCF9051



DSCF9052



DSCF9053



DSCF9054



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DSCF9073



DSCF9066



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DSCF9070



DSCF9071



DSCF9081



DSCF9074



DSCF9096



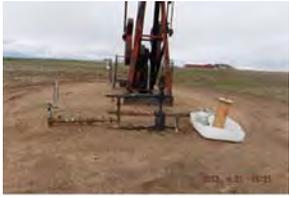
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DSCF9078



DSCF9079



DSCF9089



DSCF9082



DSCF9104



DSCF9083



DSCF9084



DSCF9085



DSCF9086



DSCF9087



DSCF9097



DSCF9090



DSCF9112



DSCF9091



DSCF9092



DSCF9093



DSCF9094



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DSCF9118



DSCF9119



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DSCF9139



DSCF9140



DSCF9141



DSCF9142



DSCF9143



DSCF9146



DSCF9147



DSCF9148



DSCF9149



DSCF9150



DSCF9151

**APPENDIX D.  
INTERVIEW, REGULATORY AGENCY DOCUMENTATION, AND PROVIDED DOCUMENTS**

---

**SW Wattenberg CF**

Weld County Road 6

Brighton, CO 80603

Inquiry Number: 4910495.2s

April 17, 2017

# 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)

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***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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

WELD COUNTY ROAD 6  
BRIGHTON, CO 80603

#### COORDINATES

Latitude (North): 40.0256950 - 40° 1' 32.50"  
Longitude (West): 104.9286540 - 104° 55' 43.15"  
Universal Transverse Mercator: Zone 13  
UTM X (Meters): 506087.9  
UTM Y (Meters): 4430401.5  
Elevation: 5088 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5954999 FREDERICK, CO  
Version Date: 2013

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150910  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
WELD COUNTY ROAD 6  
BRIGHTON, CO 80603

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>	K.P. KAUFFMAN CO-FRI	NE S30 T1N R67W	AIRS	Higher	1 ft.
<a href="#">A2</a>	K.P. KAUFFMAN CO-FRI	NE S30 T1N R67W	FINDS, ECHO	Higher	1 ft.

# 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-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

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

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List

## EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

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

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

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

SWF/LF..... Solid Waste Sites & Facilities

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

LUST..... Leaking Underground Storage Tank List  
LAST..... Leaking Aboveground Storage Tank Listing  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land  
LUST TRUST..... RAP Site Listing

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

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

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

AUL..... Environmental Covenants and Environmental Use Restrictions List

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

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Cleanup & Redevelopment Act Application Tracking Report

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

BROWNFIELDS..... Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

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

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

HIST LF..... Historical Landfill List  
SWRCY..... Registered Recyclers Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

## EXECUTIVE SUMMARY

ODI..... Open Dump Inventory  
IHS OPEN DUMPS..... Open Dumps on Indian Land

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

US HIST CDL..... Delisted National Clandestine Laboratory Register  
CDL..... Meth Lab Locations  
US CDL..... National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

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

HMIRS..... Hazardous Materials Information Reporting System  
CO ERNS..... Spills Database  
SPILLS 90..... SPILLS 90 data from FirstSearch

### **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  
UXO..... Unexploded Ordnance Sites  
DOCKET HWC..... Hazardous Waste Compliance Docket Listing

## EXECUTIVE SUMMARY

ASBESTOS.....	Asbestos Abatement & Demolition Projects
METHANE SITE.....	Methane Site Investigations - Jefferson County 1980
Methane Investigation.....	Methane Gas & Swamp Findings
DRYCLEANERS.....	Drycleaner Facilities
Financial Assurance.....	Financial Assurance Information Listing
MINES.....	Permitted Mines Listing
NPDES.....	Permitted Facility Listing
UMTRA.....	Uranium Mill Tailings Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
ABANDONED MINES.....	Abandoned Mines

### EDR HIGH RISK HISTORICAL RECORDS

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

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

### EDR RECOVERED GOVERNMENT ARCHIVES

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

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 identified in the following databases.

Elevations have been determined from the USGS 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. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

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

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Other Ascertainable Records***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/15/2016 has revealed that there is 1

## EXECUTIVE SUMMARY

FINDS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>K.P. KAUFFMAN CO-FRI</i>	<i>NE S30 T1N R67W</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>A2</i>	<i>8</i>

AIRS: A listing of Air Pollution Control Division permits and emissions data.

A review of the AIRS list, as provided by EDR, and dated 12/05/2016 has revealed that there is 1 AIRS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>K.P. KAUFFMAN CO-FRI</i> County/Plant ID: 123-6039	<i>NE S30 T1N R67W</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>A1</i>	<i>8</i>

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

A review of the ECHO list, as provided by EDR, and dated 12/11/2016 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>K.P. KAUFFMAN CO-FRI</i>	<i>NE S30 T1N R67W</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>A2</i>	<i>8</i>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

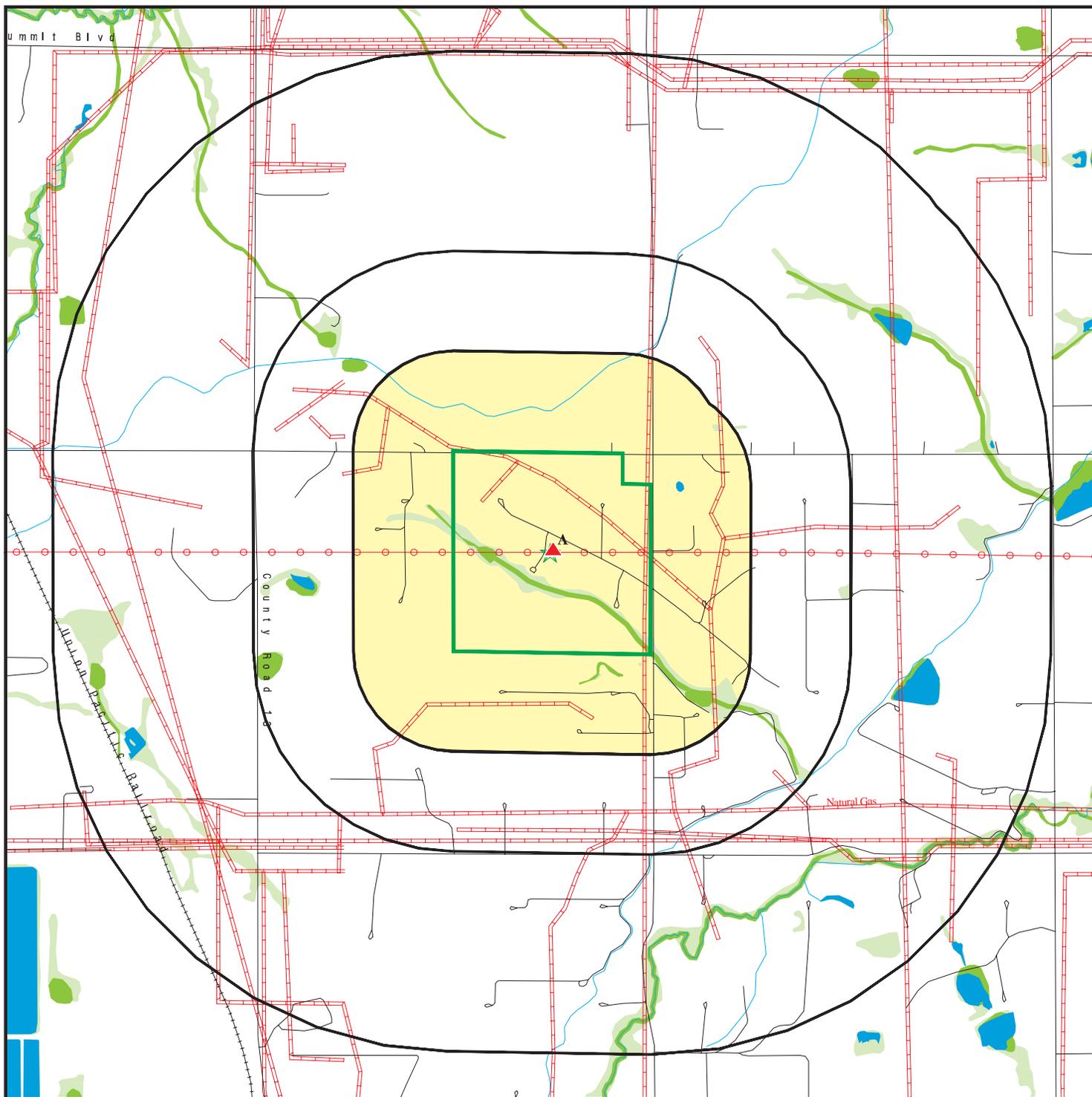
Site Name

Database(s)

US POST OFFICE

CDL, CO ERNS  
LUST

# OVERVIEW MAP - 4910495.2S



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

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

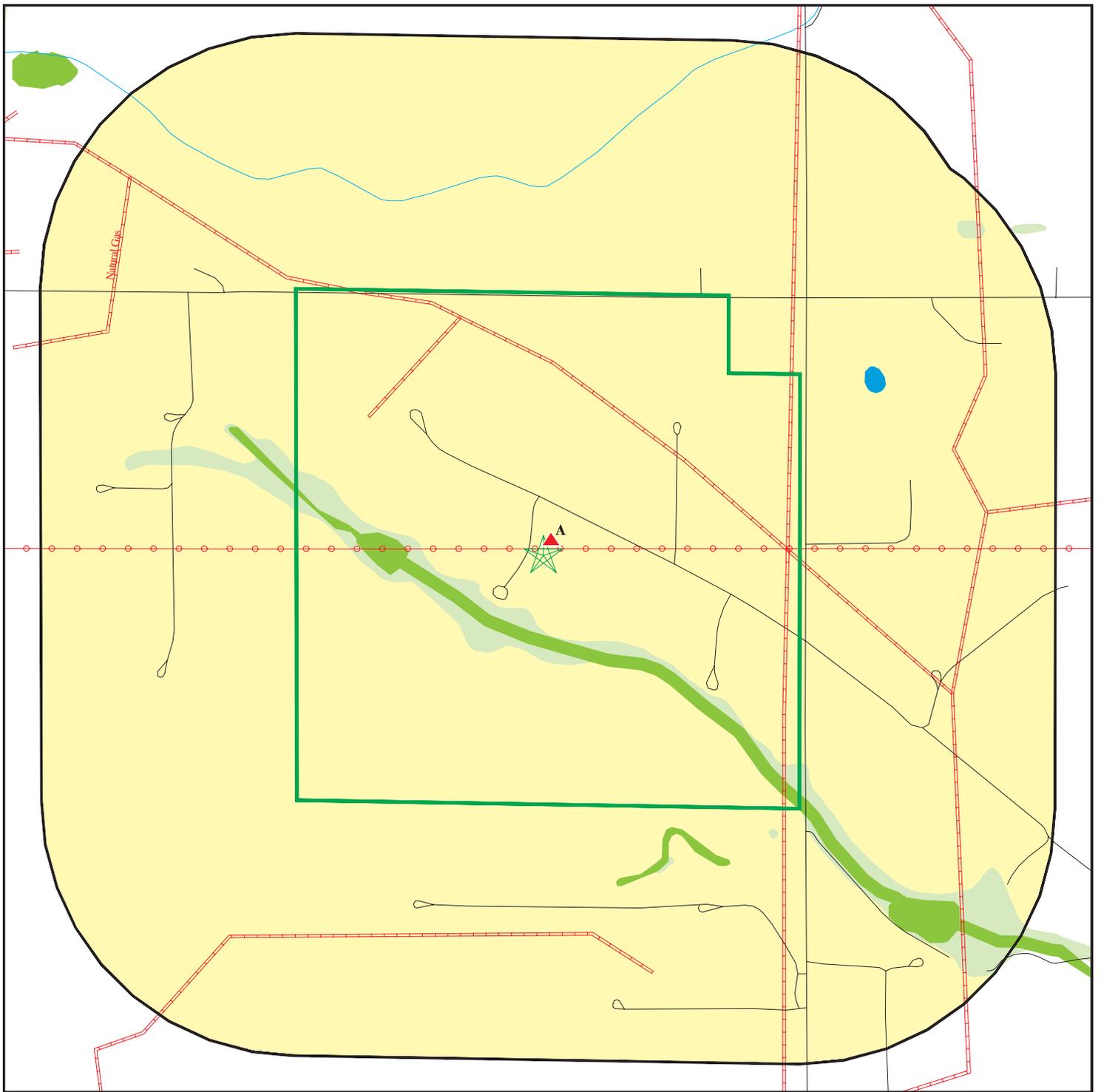
State Wetlands

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: SW Wattenberg CF  
 ADDRESS: Weld County Road 6  
 Brighton CO 80603  
 LAT/LONG: 40.025695 / 104.928654

CLIENT: Kleinfelder  
 CONTACT: Brad Baum  
 INQUIRY #: 4910495.2s  
 DATE: April 17, 2017 6:59 pm

# DETAIL MAP - 4910495.2S



-  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
-  Power transmission lines
-  Pipelines
-  National Wetland Inventory
-  State Wetlands

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: SW Wattenberg CF  
 ADDRESS: Weld County Road 6  
 Brighton CO 80603  
 LAT/LONG: 40.025695 / 104.928654

CLIENT: Kleinfelder  
 CONTACT: Brad Baum  
 INQUIRY #: 4910495.2s  
 DATE: April 17, 2017 7:01 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	0.001		0	NR	NR	NR	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-CESQG	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	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<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
LUST TRUST	0.500		0	0	0	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
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
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><i>State and tribal institutional control / engineering control registries</i></b>								
AUL	0.500		0	0	0	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
HIST LF	0.500		0	0	0	NR	NR	0
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><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CO ERNS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b><i>Other Ascertainable Records</i></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

## 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
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		1	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
AIRS	0.001		1	NR	NR	NR	NR	1
ASBESTOS	0.001		0	NR	NR	NR	NR	0
METHANE SITE	0.001		0	NR	NR	NR	NR	0
Methane Investigation	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ECHO	0.001		1	NR	NR	NR	NR	1
ABANDONED MINES	0.001		0	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

## 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><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	3	0	0	0	0	3

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1** **K.P. KAUFFMAN CO-FRISBEE 1,2,3**  
**NE S30 T1N R67W**  
**< 1/8** **DACONO AREA, CO 80601**  
**1 ft.**

**AIRS** **S109351031**  
**N/A**

**Site 1 of 2 in cluster A**

**Relative:**  
**Higher**

CO AIRS:

**Actual:**  
**5089 ft.**

County/Plant ID: 123-6039  
Contact Person: BECKY MALLOY  
Contact Phone: (303)825-4822  
Latitude: 400133.22  
Longitude: 1045542.65  
SIC Primary: 1321  
NAICS Primary: 211112  
Unique Emission Unit ID: 001  
Construction Permit Number: GP01  
Emission Unit Description: 1 TANK 300 BBL TOTAL  
Full Pollutant Name: BENZENE  
Site-wide Estimated Emissions: 0.000000  
Site-wide Estimated Emissions Units: Tons Per Year

County/Plant ID: 123-6039  
Contact Person: BECKY MALLOY  
Contact Phone: (303)825-4822  
Latitude: 400133.22  
Longitude: 1045542.65  
SIC Primary: 1321  
NAICS Primary: 211112  
Unique Emission Unit ID: 001  
Construction Permit Number: GP01  
Emission Unit Description: 1 TANK 300 BBL TOTAL  
Full Pollutant Name: HEXANE,N-  
Site-wide Estimated Emissions: 0.0121170  
Site-wide Estimated Emissions Units: Tons Per Year

County/Plant ID: 123-6039  
Contact Person: BECKY MALLOY  
Contact Phone: (303)825-4822  
Latitude: 400133.22  
Longitude: 1045542.65  
SIC Primary: 1321  
NAICS Primary: 211112  
Unique Emission Unit ID: 001  
Construction Permit Number: GP01  
Emission Unit Description: 1 TANK 300 BBL TOTAL  
Full Pollutant Name: VOLATILE ORGANIC COMPOUNDS  
Site-wide Estimated Emissions: 0.3472730  
Site-wide Estimated Emissions Units: Tons Per Year

**A2** **K.P. KAUFFMAN CO-FRISBEE 1,2,3**  
**NE S30 T1N R67W**  
**< 1/8** **LOCHBUIE, CO 80601**  
**1 ft.**

**FINDS** **1016343456**  
**ECHO** **N/A**

**Site 2 of 2 in cluster A**

**Relative:**  
**Higher**

FINDS:

**Actual:**  
**5089 ft.**

Registry ID: 110038046432  
Environmental Interest/Information System

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K.P. KAUFFMAN CO-FRISBEE 1,2,3 (Continued)**

**1016343456**

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR EMISSIONS CLASSIFICATION UNKNOWN

AIR MINOR

**ECHO:**

Envid: 1016343456  
Registry ID: 110038046432  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110038046432](http://echo.epa.gov/detailed_facility_report?fid=110038046432)

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ERIE	S105529630		1/2 MILE NW OF WELD COUTY RD 3	80516	CDL, CO ERNS
ERIE	S118355141	US POST OFFICE	150 WELD ST	80516	LUST

# 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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	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 know 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: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	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: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	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: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 303-312-6149
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 303-312-6149
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 303-312-6149
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 303-312-6149
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

## ***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: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/13/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 05/29/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	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: 09/26/2016  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 03/29/2017  
Next Scheduled EDR Contact: 07/10/2017  
Data Release Frequency: Annually

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

### **SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.**

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

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: Department of Public Health & Environment  
Telephone: 303-692-3300  
Last EDR Contact: 02/13/2017  
Next Scheduled EDR Contact: 05/13/2017  
Data Release Frequency: N/A

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

### **SWF/LF: Solid Waste Sites & 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: 12/04/2014  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 03/04/2015  
Number of Days to Update: 19

Source: Department of Public Health & Environment  
Telephone: 303-692-3300  
Last EDR Contact: 02/10/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Annually

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

### **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: 09/22/2016  
Date Data Arrived at EDR: 09/23/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 60

Source: Department of Labor and Employment, Oil Inspection Section  
Telephone: 303-318-8521  
Last EDR Contact: 03/10/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Quarterly

### **LAST: Leaking Aboveground Storage Tank Listing**

A listing of leaking aboveground storage tank sites.

Date of Government Version: 12/09/2016  
Date Data Arrived at EDR: 12/13/2016  
Date Made Active in Reports: 12/19/2016  
Number of Days to Update: 6

Source: Department of Labor & Employment  
Telephone: 303-318-8525  
Last EDR Contact: 03/10/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	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: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## 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: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## 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: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 118	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 112	Next Scheduled EDR Contact: 05/08/2017
	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: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 105	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

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

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

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/24/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/27/2015

Date Data Arrived at EDR: 10/29/2015

Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA Region 1

Telephone: 617-918-1313

Last EDR Contact: 01/26/2017

Next Scheduled EDR Contact: 05/08/2017

Data Release Frequency: Varies

## TRUST: Lust Trust Sites

Reimbursement application package. The 1989 Colorado General Assembly established Colorado's Petroleum Storage Tank Fund. The Fund reimburses eligible applicants for allowable costs incurred in cleaning up petroleum contamination from underground and aboveground petroleum storage tanks, as well as for third-party liability expenses. Remediation of contamination caused by railroad or aircraft fuel is not eligible for reimbursement. The Fund satisfies federal Environmental Protection Agency financial assurance requirements. Monies in the Fund come from various sources, predominantly the state environmental surcharge imposed on all petroleum products except railroad or aircraft fuel.

Date of Government Version: 11/10/2016

Date Data Arrived at EDR: 11/11/2016

Date Made Active in Reports: 01/13/2017

Number of Days to Update: 63

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521

Last EDR Contact: 03/27/2017

Next Scheduled EDR Contact: 07/10/2017

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: 01/01/2010

Date Data Arrived at EDR: 02/16/2010

Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797

Last EDR Contact: 04/11/2017

Next Scheduled EDR Contact: 07/24/2017

Data Release Frequency: Varies

### UST: Underground Storage Tank Database

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: 12/09/2016

Date Data Arrived at EDR: 12/13/2016

Date Made Active in Reports: 01/12/2017

Number of Days to Update: 30

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521

Last EDR Contact: 03/06/2017

Next Scheduled EDR Contact: 06/19/2017

Data Release Frequency: Quarterly

### AST: Aboveground Tank List

Aboveground storage tank locations.

Date of Government Version: 12/09/2016

Date Data Arrived at EDR: 12/13/2016

Date Made Active in Reports: 01/12/2017

Number of Days to Update: 30

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521

Last EDR Contact: 03/06/2017

Next Scheduled EDR Contact: 06/19/2017

Data Release Frequency: Semi-Annually

### 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).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/25/2016  
Date Data Arrived at EDR: 04/27/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 37

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

### 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: 01/07/2016  
Date Data Arrived at EDR: 01/08/2016  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 41

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

### 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: 01/26/2016  
Date Data Arrived at EDR: 02/05/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 119

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

### 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: 09/23/2014  
Date Data Arrived at EDR: 11/25/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 65

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

### 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: 12/03/2015  
Date Data Arrived at EDR: 02/04/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 120

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Semi-Annually

### 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: 10/20/2015  
Date Data Arrived at EDR: 10/29/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 67

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
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)

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2016  
Date Data Arrived at EDR: 04/29/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 35

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 01/24/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Semi-Annually

## 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: 11/05/2015  
Date Data Arrived at EDR: 11/13/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 52

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

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

### AUL: Environmental Real Covenants List

Senate Bill 01-145 gave authority to the Colorado Department of Public Health and Environment to approve requests to restrict the future use of a property using an enforceable agreement called an environmental covenant. When a contaminated site is not cleaned up completely, land use restrictions may be used to ensure that the selected cleanup remedy is adequately protective of human health and the environment.

Date of Government Version: 11/04/2016  
Date Data Arrived at EDR: 11/04/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 18

Source: Department of Public Health & Environment  
Telephone: 303-692-3331  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

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

### VCP: Voluntary Cleanup & Redevelopment Act Application Tracking Report

The Voluntary Cleanup and Redevelopment Act is intended to permit and encourage voluntary cleanups by providing a method to determine clean-up responsibilities in planning the reuse of property. The VCRA was intended for sites which were not covered by existing regulatory programs.

Date of Government Version: 12/16/2015  
Date Data Arrived at EDR: 01/13/2016  
Date Made Active in Reports: 03/04/2016  
Number of Days to Update: 51

Source: Department of Public Health and Environmental  
Telephone: 303-692-3331  
Last EDR Contact: 04/14/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Semi-Annually

### 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  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 03/27/2017  
Next Scheduled EDR Contact: 07/10/2017  
Data Release Frequency: Varies

### 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  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### **BROWNFIELDS: Brownfields Sites Listing**

Brownfields Sites Listing

Date of Government Version: 10/24/2016

Date Data Arrived at EDR: 10/27/2016

Date Made Active in Reports: 11/22/2016

Number of Days to Update: 26

Source: Department of Public Health & Environment

Telephone: 303-692-3331

Last EDR Contact: 01/23/2017

Next Scheduled EDR Contact: 05/08/2017

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: 03/02/2017

Date Data Arrived at EDR: 03/02/2017

Date Made Active in Reports: 04/07/2017

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 202-566-2777

Last EDR Contact: 03/02/2017

Next Scheduled EDR Contact: 07/03/2017

Data Release Frequency: Semi-Annually

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

#### **SWRCY: Registered Recyclers Listing**

A listing of registered recycler locations in the state of Colorado.

Date of Government Version: 11/30/2016

Date Data Arrived at EDR: 12/13/2016

Date Made Active in Reports: 12/19/2016

Number of Days to Update: 6

Source: Department of Public Health & Environment

Telephone: 303-692-3337

Last EDR Contact: 03/09/2017

Next Scheduled EDR Contact: 06/26/2017

Data Release Frequency: Varies

#### **HISTORICAL LANDFILL: Historical Landfill List**

Abandoned/Inactive Landfills.

Date of Government Version: 01/31/1993

Date Data Arrived at EDR: 04/24/1994

Date Made Active in Reports: 05/30/1994

Number of Days to Update: 36

Source: Department of Public Health & Environment

Telephone: 303-692-3300

Last EDR Contact: 09/05/1996

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### **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: 10/31/2016

Next Scheduled EDR Contact: 02/13/2017

Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
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.

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: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 09/30/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 36

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 02/28/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: No Update Planned

### CDL: Meth Lab Locations

Meth lab locations that were reported to the Department of Public Health & Environment.

Date of Government Version: 01/04/2017  
Date Data Arrived at EDR: 01/04/2017  
Date Made Active in Reports: 01/12/2017  
Number of Days to Update: 8

Source: Department of Public Health and Environment  
Telephone: 303-692-3023  
Last EDR Contact: 03/31/2017  
Next Scheduled EDR Contact: 07/17/2017  
Data Release Frequency: Quarterly

### 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: 09/30/2016  
Date Data Arrived at EDR: 12/05/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 67

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 02/28/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 01/24/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## **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: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Annually

### CO ERNS: Spills Database

State reported spills.

Date of Government Version: 01/04/2017	Source: Department of Public Health and Environmental
Date Data Arrived at EDR: 01/04/2017	Telephone: 303-692-2000
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/31/2017
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/15/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 303-312-6149
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 02/24/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/05/2017
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Semi-Annually

## 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: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/24/2017
	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: 02/03/2017
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/29/2017
	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: 10/11/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2016	Telephone: 202-566-1917
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/15/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 05/29/2017
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 04/22/2013  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 02/10/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Varies

## 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: 12/31/2012  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/24/2017  
Next Scheduled EDR Contact: 07/03/2017  
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: 12/31/2014  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 133

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/24/2017  
Next Scheduled EDR Contact: 06/05/2017  
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: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/13/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RMP: Risk Management Plans

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: 02/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/09/2017	Telephone: 202-564-8600
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 01/23/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 05/08/2017
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/10/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/22/2017
	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: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	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: 04/10/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/24/2017
	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  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 02/17/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Quarterly

**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  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 02/17/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Quarterly

**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: 08/30/2016  
Date Data Arrived at EDR: 09/08/2016  
Date Made Active in Reports: 10/21/2016  
Number of Days to Update: 43

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
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  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
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: 07/01/2014  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
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: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 01/29/2016  
Next Scheduled EDR Contact: 05/08/2017  
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: 01/04/2017  
Date Data Arrived at EDR: 01/06/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 35

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 04/06/2017  
Next Scheduled EDR Contact: 07/17/2017  
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: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 02/01/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## 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: 09/30/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/27/2017  
Next Scheduled EDR Contact: 07/10/2017  
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: 12/31/2013  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 09/30/2015  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/22/2017  
Next Scheduled EDR Contact: 06/05/2017  
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: 04/14/2017
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/24/2017
	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: 12/23/2016	Source: Department of Energy
Date Data Arrived at EDR: 12/27/2016	Telephone: 202-586-3559
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 02/03/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/22/2017
	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: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/21/2017
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8787
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/17/2017
	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: 03/07/2017  
Next Scheduled EDR Contact: 07/10/2017  
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: 03/07/2017  
Next Scheduled EDR Contact: 04/10/2017  
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: 02/08/2017  
Date Data Arrived at EDR: 02/28/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 02/28/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Semi-Annually

## 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: 03/03/2017  
Next Scheduled EDR Contact: 06/12/2017  
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: 03/03/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Varies

## 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: 07/15/2016  
Date Data Arrived at EDR: 09/07/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 65

Source: EPA  
Telephone: (303) 312-6312  
Last EDR Contact: 04/07/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 01/20/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Varies

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 02/24/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Varies

## AIRS: Permitted Facility & Emissions Listing

A listing of Air Pollution Control Division permits and emissions data.

Date of Government Version: 12/05/2016	Source: Department of Public Health & Environment
Date Data Arrived at EDR: 12/06/2016	Telephone: 303-692-3213
Date Made Active in Reports: 12/19/2016	Last EDR Contact: 03/06/2017
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Varies

## ASBESTOS: Asbestos Abatement & Demolition Projects

Asbestos abatement and demolition projects by the contractor.

Date of Government Version: 03/31/2016	Source: Department of Public Health & Environment
Date Data Arrived at EDR: 08/09/2016	Telephone: 303-692-3100
Date Made Active in Reports: 09/21/2016	Last EDR Contact: 02/07/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: Semi-Annually

## METHANE SITE: Methane Site Investigations - Jefferson County 1980

The objectives of the study are to define as closely as possible the boundaries of methane producing solid waste landfills.

Date of Government Version: 12/31/1980	Source: Jefferson County Health Department
Date Data Arrived at EDR: 02/13/1995	Telephone: 303-239-7175
Date Made Active in Reports: 04/04/1995	Last EDR Contact: 01/27/1995
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## METHANE INVESTIGATION: Methane Gas & Swamp Findings

The primary objective of this study was to assess methane gas related hazards at selected landfill sites in Colorado. These sites were selected by the Colorado Department of Health following evaluation of responses received from County and Municipal agencies about completed and existing landfills within their jurisdiction.

Date of Government Version: 03/15/1979	Source: Department of Health
Date Data Arrived at EDR: 02/13/1995	Telephone: 303-640-3335
Date Made Active in Reports: 04/04/1995	Last EDR Contact: 01/27/1995
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## DRYCLEANERS: Drycleaner Facilities

A listing of drycleaning facilities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2016  
Date Data Arrived at EDR: 12/06/2016  
Date Made Active in Reports: 12/19/2016  
Number of Days to Update: 13

Source: Department of Public Health & Environment  
Telephone: 303-692-3213  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for hazardous 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: 07/19/2016  
Date Data Arrived at EDR: 07/25/2016  
Date Made Active in Reports: 08/16/2016  
Number of Days to Update: 22

Source: Department of Public Health & Environment  
Telephone: 303-692-3350  
Last EDR Contact: 03/31/2017  
Next Scheduled EDR Contact: 07/17/2017  
Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

A listing of 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: 07/19/2016  
Date Data Arrived at EDR: 07/25/2016  
Date Made Active in Reports: 08/16/2016  
Number of Days to Update: 22

Source: Department of Public Health & Environment  
Telephone: 303-392-3350  
Last EDR Contact: 03/31/2017  
Next Scheduled EDR Contact: 07/17/2017  
Data Release Frequency: Varies

## MINES: Permitted Mines Listing

This dataset represents permitted mines in the State of Colorado

Date of Government Version: 07/27/2015  
Date Data Arrived at EDR: 04/19/2016  
Date Made Active in Reports: 05/23/2016  
Number of Days to Update: 34

Source: Division of Reclamation Mining and safety  
Telephone: 303-866-3567  
Last EDR Contact: 01/20/2017  
Next Scheduled EDR Contact: 05/01/2017  
Data Release Frequency: Varies

## NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Quality Control Division.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 11/08/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 14

Source: Department of Public Health & Environment  
Telephone: 303-692-3611  
Last EDR Contact: 02/13/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

There were nine uranium mill tailings sites in Colorado designated for cleanup under the federal Uranium Mill Tailings Radiation Control Act. These nine sites, know commonly as UMTRA sites, were remediated jointly by the State of Colorado and the U.S. Department of Energy during the late 1980's and early 1990's. Mill tailings were removed from 8 of the mill sites and relocated in engineered disposal cells. A disposal cell is designed to encapsulate the material, reduce radon emanation, and prevent the movement of water through the material. At one site, Maybell, CO, the tailings were stabilized in-place at the mill site. After remediation of the tailings was completed, the State and DOE began to investigate the residual impacts to groundwater at the mill sites. The groundwater phase of the UMTRA program is on-going.

Date of Government Version: 11/23/2004  
Date Data Arrived at EDR: 03/21/2007  
Date Made Active in Reports: 05/02/2007  
Number of Days to Update: 42

Source: Department of Public Health & Environment  
Telephone: 970-248-7164  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 12/11/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/20/2016	Telephone: 202-564-2280
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 03/21/2017
Number of Days to Update: 59	Next Scheduled EDR Contact: 07/03/2017
	Data Release Frequency: Quarterly

## 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: 11/21/2016	Source: EPA
Date Data Arrived at EDR: 11/22/2016	Telephone: 800-385-6164
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/22/2017
Number of Days to Update: 73	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Quarterly

## 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.

Date of Government Version: 03/14/2017	Source: Department of Interior
Date Data Arrived at EDR: 03/17/2017	Telephone: 202-208-2609
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 03/13/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

## 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historic Gas 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Historic Dry 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 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 Public Health & Environment in Colorado.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/15/2014  
Number of Days to Update: 198

Source: Department of Public Health & Environment  
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 Department of Labor and Employment, Oil Inspection Section in Colorado.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/02/2014  
Number of Days to Update: 185

Source: Department of Labor and Employment, Oil Inspection Section  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ADAMS COUNTY:

Summary Report on Methane Gas Hazards and Surveys Conducted on Domestic and Demolition Landfills in Adams County  
As of May 8, 1978, all known landfills or dumping sites in the Adams County area have been surveyed.

Date of Government Version: 05/08/1978  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### ARAPAHOE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## A Survey of Landfills in Arapahoe County

A survey of Arapahoe County was conducted from August through November, 1977, of all open and closed landfills and dumpsites in the county. Each of the sites found was classified as domestic or demolition.

Date of Government Version: 12/31/1978  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## BOULDER COUNTY:

### Old Landfill Sites

Landfill sites in Boulder county.

Date of Government Version: 05/01/1986  
Date Data Arrived at EDR: 11/14/1995  
Date Made Active in Reports: 12/07/1995  
Number of Days to Update: 23

Source: Boulder County Health Department  
Telephone: 303-441-1182  
Last EDR Contact: 01/30/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DENVER COUNTY:

### Landfills in Denver County

Landfill sites in the city and county of Denver.

Date of Government Version: 02/13/2014  
Date Data Arrived at EDR: 05/16/2014  
Date Made Active in Reports: 06/13/2014  
Number of Days to Update: 28

Source: City and County of Denver  
Telephone: 720-913-4839  
Last EDR Contact: 03/24/2017  
Next Scheduled EDR Contact: 07/03/2017  
Data Release Frequency: No Update Planned

### Investigation of Methane Gas Hazards

The purpose of this study was to assess the actual and potential generation, migration, explosive and related problem associated with specified old landfills, and to identify existing and potential problems, suggested strategies to prevent, abate, and control such problems and recommend investigative and monitoring functions as may be deemed necessary. Eight sites determined to be priorities due to population density and potential hazards to population and property were selected by the Colorado Department of Health.

Date of Government Version: 01/01/1981  
Date Data Arrived at EDR: 01/29/2013  
Date Made Active in Reports: 03/08/2013  
Number of Days to Update: 38

Source: City and County of Denver Department of Environmental Health  
Telephone: 720-865-5522  
Last EDR Contact: 01/15/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DOUGLAS COUNTY:

### Douglas County Landfill Key

Landfill sites in Douglas county.

Date of Government Version: 06/12/1991  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## PUEBLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Designated Disposal & Landfill Sites

Only inert materials. Asphalt, cement, dirt & rock unless otherwise specified. These sites are no longer active.

Date of Government Version: 04/30/1990  
Date Data Arrived at EDR: 11/16/1995  
Date Made Active in Reports: 12/07/1995  
Number of Days to Update: 21

Source: Pueblo City-County Health Department  
Telephone: 719-583-4300  
Last EDR Contact: 11/13/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## TRI COUNTY:

### Tri-County Area Solid Waste Facilities List (Adams, Arapahoe and Douglas Counties)

Closed Domestic Landfills in Adams County, Closed Domestic Landfills in Arapahoe County, Closed Demolition Landfills in Arapahoe County, Closed Domestic Landfills in Douglas County.

Date of Government Version: 10/15/1983  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## WELD COUNTY:

### Solid Waste Facilities in Weld County

Solid Waste Facilities in Weld County.

Date of Government Version: 12/05/2014  
Date Data Arrived at EDR: 12/12/2014  
Date Made Active in Reports: 01/07/2015  
Number of Days to Update: 26

Source: Weld County Department of Public Health  
Telephone: 970-304-6415  
Last EDR Contact: 02/10/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: No Update Planned

## 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: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/11/2016  
Next Scheduled EDR Contact: 02/27/2017  
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: 01/30/2017  
Date Data Arrived at EDR: 02/01/2017  
Date Made Active in Reports: 02/13/2017  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 02/01/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 07/22/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 123

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 01/12/2017  
Next Scheduled EDR Contact: 05/01/2017  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 04/14/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 50

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 03/13/2017  
Next Scheduled EDR Contact: 06/26/2017  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

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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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Daycare Listing  
Source: Department of Human Services  
Telephone: 303-866-5958

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.

State Wetlands Data: Riparian Vegetation Data  
Source: Division of Wildlife  
Telephone: 970-416-3360

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

SW WATTENBERG CF  
WELD COUNTY ROAD 6  
BRIGHTON, CO 80603

### TARGET PROPERTY COORDINATES

Latitude (North):	40.025695 - 40° 1' 32.50"
Longitude (West):	104.928654 - 104° 55' 43.15"
Universal Tranverse Mercator:	Zone 13
UTM X (Meters):	506087.9
UTM Y (Meters):	4430401.5
Elevation:	5088 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	5954999 FREDERICK, CO
Version Date:	2013

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 principal 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).

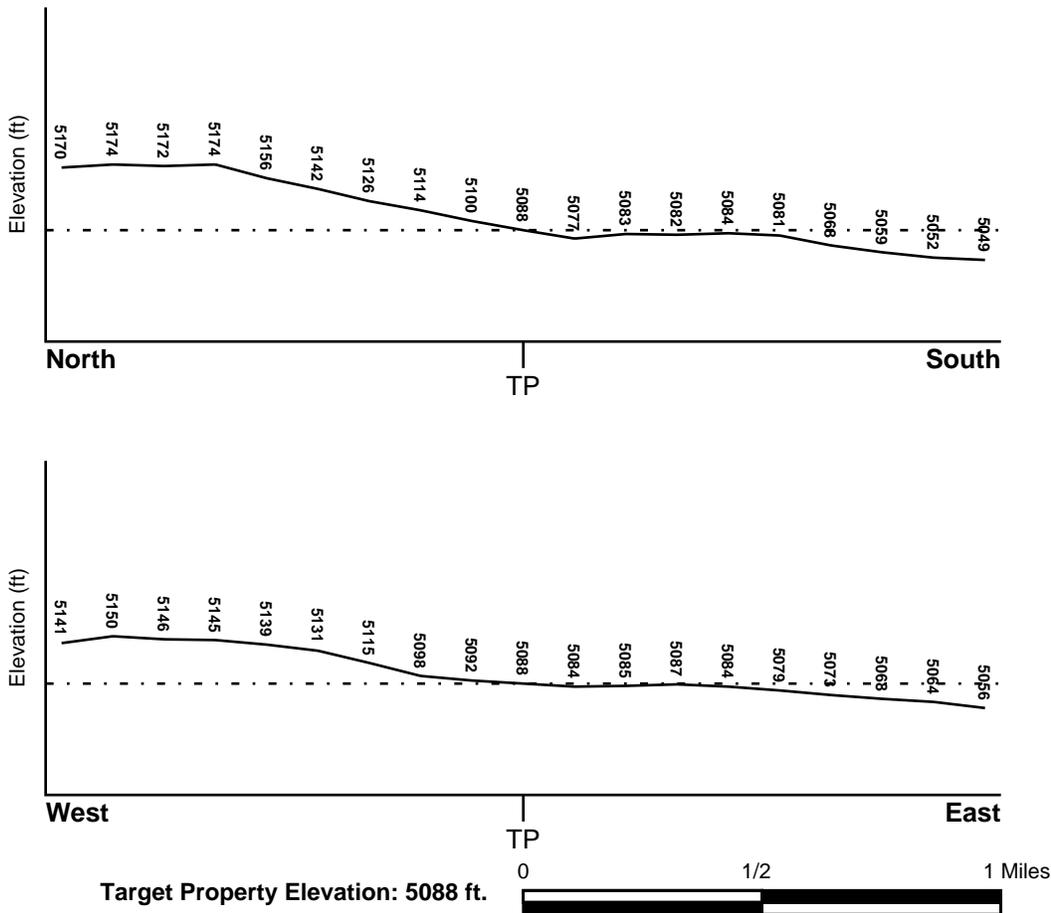
## TOPOGRAPHIC INFORMATION

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 SSE

## 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>
08001C0025H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NOT AVAILABLE	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**

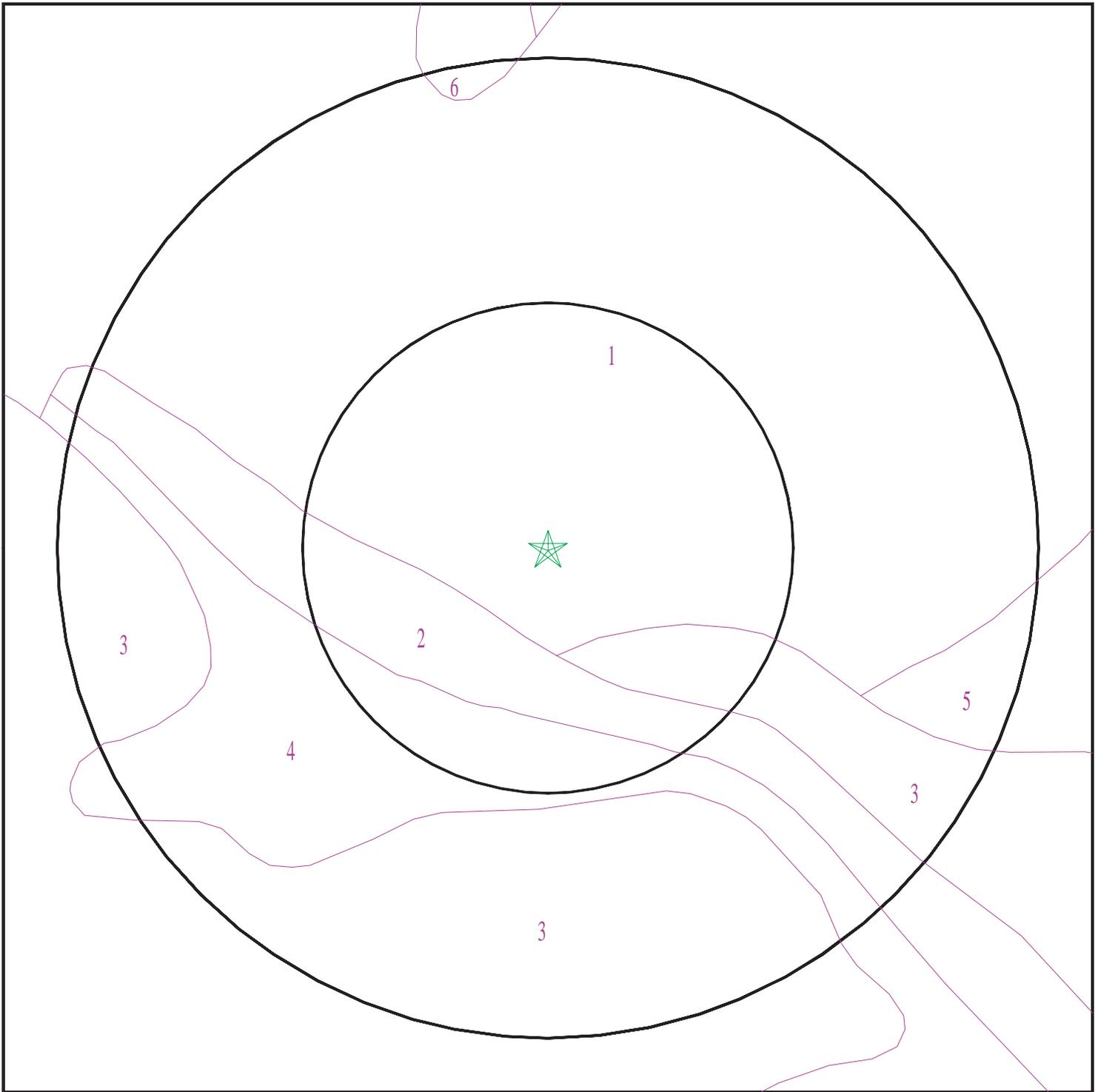
Era:	Mesozoic
System:	Cretaceous
Series:	Navarro Group
Code:	uK4 ( <i>decoded above as Era, System &amp; Series</i> )

#### **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 - 4910495.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: SW Wattenberg CF  
ADDRESS: Weld County Road 6  
Brighton CO 80603  
LAT/LONG: 40.025695 / 104.928654

CLIENT: Kleinfelder  
CONTACT: Brad Baum  
INQUIRY #: 4910495.2s  
DATE: April 17, 2017 7:03 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: Nunn

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

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	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.233 Min: 1.411	Max: 7.8 Min: 6.1
2	9 inches	29 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.411 Min: 0.4233	Max: 8.4 Min: 6.1
3	29 inches	59 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.33 Min: 14.11	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 2

Soil Component Name: Aquolls

Soil Surface Texture: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 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	7 inches		Not reported	Not reported	Max: 42.33 Min: 1.411	Max: 9 Min: 7.4
2	7 inches	59 inches		Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42.33 Min: 0.4233	Max: 9 Min: 7.9

### Soil Map ID: 3

Soil Component Name: Wiley

Soil Surface Texture: silt 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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

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	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.233	Max: 8.4 Min: 7.4
2	11 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 8.4 Min: 7.9
3	59 inches	64 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.233	Max: 9 Min: 7.9

### Soil Map ID: 4

Soil Component Name: Wiley

Soil Surface Texture: silt 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: Partially hydric

Corrosion Potential - Uncoated Steel: High

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	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.233	Max: 8.4 Min: 7.4
2	11 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.233	Max: 8.4 Min: 7.9
3	59 inches	64 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14.11 Min: 4.233	Max: 9 Min: 7.9

### Soil Map ID: 5

Soil Component Name: Weld

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

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	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 7.8 Min: 6.6
2	7 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.411 Min: 0.4233	Max: 7.8 Min: 6.6
3	14 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.233	Max: 9 Min: 7.4
4	59 inches	64 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14.11 Min: 4.233	Max: 9 Min: 7.4

### Soil Map ID: 6

Soil Component Name: Ulm

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

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	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.233 Min: 1.411	Max: 7.8 Min: 7.4
2	5 inches	16 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.411 Min: 0.4233	Max: 8.4 Min: 7.4
3	16 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.411 Min: 0.4233	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 0.001 miles
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
13	USGS40000216271	1/2 - 1 Mile NE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CO6000000281266	1/4 - 1/2 Mile ESE
2	CO6000000371445	1/4 - 1/2 Mile ENE
3	CO6000000429431	1/2 - 1 Mile North
A4	CO6000000316885	1/2 - 1 Mile NE
A5	CO6000000106231	1/2 - 1 Mile ENE
6	CO6000000466475	1/2 - 1 Mile WNW
7	CO6000000106505	1/2 - 1 Mile ENE
8	CO6000000255022	1/2 - 1 Mile West
9	CO6000000002424	1/2 - 1 Mile North
10	CO6000000472176	1/2 - 1 Mile NW
11	CO6000000002423	1/2 - 1 Mile North
12	CO6000000307076	1/2 - 1 Mile ENE
14	CO6000000463646	1/2 - 1 Mile NW
B15	CO6000000326773	1/2 - 1 Mile SSE
B16	CO6000000455748	1/2 - 1 Mile SSE
C17	CO6000000103794	1/2 - 1 Mile SSE
C18	CO6000000323131	1/2 - 1 Mile SSE
19	CO6000000403296	1/2 - 1 Mile SSE
D20	CO6000000437022	1/2 - 1 Mile SW
D21	CO6000000434049	1/2 - 1 Mile SW

## OTHER STATE DATABASE INFORMATION

### STATE OIL/GAS WELL INFORMATION

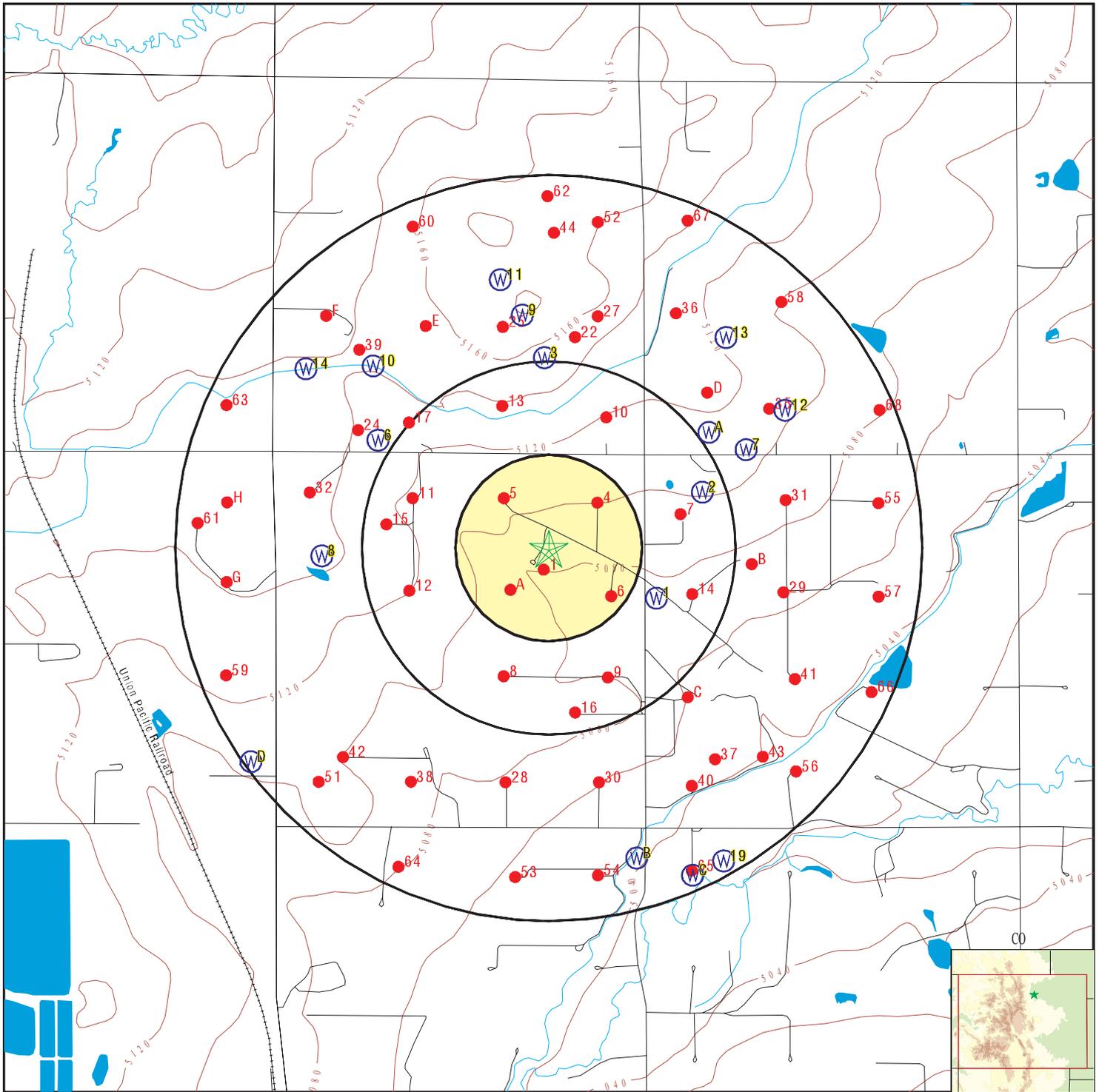
MAP ID	WELL ID	LOCATION FROM TP
1	COOG10000040985	0 - 1/8 Mile SSW
A2	COOG10000055911	1/8 - 1/4 Mile SW
A3	COOG10000041718	1/8 - 1/4 Mile SW
4	COOG10000041717	1/8 - 1/4 Mile NE
5	COOG10000041023	1/8 - 1/4 Mile NW
6	COOG10000041004	1/8 - 1/4 Mile SE
7	COOG10000041087	1/4 - 1/2 Mile ENE
8	COOG10000043098	1/4 - 1/2 Mile SSW
9	COOG10000042953	1/4 - 1/2 Mile SSE
10	COOG10000041793	1/4 - 1/2 Mile NNE
11	COOG10000042971	1/4 - 1/2 Mile WNW
12	COOG10000043078	1/4 - 1/2 Mile WSW
13	COOG10000041292	1/4 - 1/2 Mile NNW
14	COOG10000041750	1/4 - 1/2 Mile ESE
15	COOG10000044300	1/4 - 1/2 Mile West
16	COOG10000044372	1/4 - 1/2 Mile South
17	COOG10000041991	1/2 - 1 Mile NW
B18	COOG10000047399	1/2 - 1 Mile East

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C19	COOG10000042253	1/2 - 1 Mile SE
C20	COOG10000042198	1/2 - 1 Mile SE
D21	COOG10000041795	1/2 - 1 Mile NE
22	COOG10000046668	1/2 - 1 Mile North
B23	COOG10000049486	1/2 - 1 Mile East
24	COOG10000041283	1/2 - 1 Mile WNW
25	COOG10000041751	1/2 - 1 Mile NNW
D26	COOG10000040900	1/2 - 1 Mile NE
27	COOG10000041003	1/2 - 1 Mile NNE
28	COOG10000043097	1/2 - 1 Mile South
29	COOG10000041075	1/2 - 1 Mile East
30	COOG10000042954	1/2 - 1 Mile SSE
31	COOG10000041749	1/2 - 1 Mile ENE
32	COOG10000043079	1/2 - 1 Mile WNW
E33	COOG10000041308	1/2 - 1 Mile NNW
E34	COOG10000041273	1/2 - 1 Mile NNW
35	COOG10000041796	1/2 - 1 Mile ENE
36	COOG10000041794	1/2 - 1 Mile NNE
37	COOG10000040761	1/2 - 1 Mile SE
38	COOG10000051790	1/2 - 1 Mile SSW
39	COOG10000042418	1/2 - 1 Mile NW
40	COOG10000042199	1/2 - 1 Mile SSE
41	COOG10000042084	1/2 - 1 Mile ESE
42	COOG10000041408	1/2 - 1 Mile SW
43	COOG10000042392	1/2 - 1 Mile SE
44	COOG10000041044	1/2 - 1 Mile North
F45	COOG10000042023	1/2 - 1 Mile NW
G46	COOG10000052015	1/2 - 1 Mile West
H47	COOG10000052012	1/2 - 1 Mile West
G48	COOG10000074109	1/2 - 1 Mile West
H49	COOG10000043256	1/2 - 1 Mile West
F50	COOG10000041924	1/2 - 1 Mile NW
51	COOG10000051789	1/2 - 1 Mile SW
52	COOG10000041769	1/2 - 1 Mile North
53	COOG10000043096	1/2 - 1 Mile South
54	COOG10000042951	1/2 - 1 Mile South
55	COOG10000041006	1/2 - 1 Mile East
56	COOG10000042197	1/2 - 1 Mile SE
57	COOG10000041714	1/2 - 1 Mile East
58	COOG10000041382	1/2 - 1 Mile NE
59	COOG10000073867	1/2 - 1 Mile WSW
60	COOG10000041792	1/2 - 1 Mile NNW
61	COOG10000047368	1/2 - 1 Mile West
62	COOG10000042157	1/2 - 1 Mile North
63	COOG10000072763	1/2 - 1 Mile WNW
64	COOG10000055912	1/2 - 1 Mile SSW
65	COOG10000040963	1/2 - 1 Mile SSE
66	COOG10000041673	1/2 - 1 Mile ESE
67	COOG10000041274	1/2 - 1 Mile NNE
68	COOG10000041313	1/2 - 1 Mile ENE

# PHYSICAL SETTING SOURCE MAP - 4910495.2s



- 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: SW Wattenberg CF  
 ADDRESS: Weld County Road 6  
 Brighton CO 80603  
 LAT/LONG: 40.025695 / 104.928654

CLIENT: Kleinfelder  
 CONTACT: Brad Baum  
 INQUIRY #: 4910495.2s  
 DATE: April 17, 2017 7:03 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**ESE**      **CO WELLS**      **CO6000000281266**  
**1/4 - 1/2 Mile**  
**Lower**

Fid:	281265	Objectid:	281266
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0209257">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0209257</a>		
Receipt:	0209257	Permit:	117336-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	29
Q160:	NW	Q40:	SW
Q10:	Not Reported	Coordew:	150
Coordewdir:	W	Coordns:	2000
Coordnsdir:	N		
Utmx:	506552.1		
Utmy:	4430395.2		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.023742		
Longdecdeg:	-104.923215		
Use1:	DOMESTIC	Use2:	STOCK
Specialuse:	Not Reported	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	1		
Permissued:	1982-11-26		
Permexpire:	Not Reported		
Wellconstr:	1984-11-09		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	703
Topperfcas:	588	Botperfcas:	703
Yield:	15		
Staticwl:	425		
Applicantn:	FRANK LARRY G & HAZEL K		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506552.1		
Disputmy:	4430395.2		
Latitude:	40.0237422047		
Longitude:	-104.923214699		
Site id:	CO6000000281266		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**2**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**CO WELLS      CO600000371445**

Fid:	371444	Objectid:	371445
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0373192">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0373192</a>		
Receipt:	0373192	Permit:	44023-F
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	29
Q160:	NW	Q40:	NW
Q10:	Not Reported	Coordew:	800
Coordewdir:	W	Coordns:	500
Coordnsdir:	N		
Utmx:	506749.8		
Utmy:	4430852.7		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.027863		
Longdecdeg:	-104.920893		
Use1:	DOMESTIC	Use2:	STOCK
Specialuse:	ISSUED PURSUANT TO SB5 --137411	Use1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	acres		
Annapprpr:	0		
Permissued:	1994-09-15		
Permexpire:	1995-09-15		
Wellconstr:	1995-07-16		
Firstbenef:	1995-06-17		
Pumpinstal:	1995-07-20		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	720
Topperfcas:	550	Botperfcas:	720
Yield:	22		
Staticwl:	445		
Applicantn:	DUNCAN RANDEL K		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506749.8		
Disputmy:	4430852.7		
Latitude:	40.0278626088		
Longitude:	-104.920893056		
Site id:	CO600000371445		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**3**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO6000000429431**

Fid:	429430	Objectid:	429431
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0455007">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0455007</a>		
Receipt:	0455007	Permit:	223191-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtdist:	UNKNOWN
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	40		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	19
Q160:	SE	Q40:	NW
Q10:	Not Reported	Coordew:	1400
Coordewdir:	E	Coordns:	1400
Coordnsdir:	S		
Utmx:	506069.2		
Utmy:	4431432.2		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.033089		
Longdecdeg:	-104.928864		
Use1:	DOMESTIC	Use2:	STOCK
Specialuse:	ISSUED UNDER PRESUMPTION	Use1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	0		
Permissued:	2000-02-03		
Permexpire:	2002-02-03		
Wellconstr:	2000-02-10		
Firstbenef:	Not Reported		
Pumpinstal:	2000-09-10		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	725
Topperfcas:	595	Botperfcas:	725
Yield:	4		
Staticwl:	420		
Applicantn:	LAUNDSON THOMAS C		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506069.2		
Disputmy:	4431432.2		
Latitude:	40.0330889289		
Longitude:	-104.928864187		
Site id:	CO6000000429431		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A4**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO6000000316885**

Fid:	316884	Objectid:	316885
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0273756">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0273756</a>		
Receipt:	0273756	Permit:	109843--A
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	20
Q160:	SW	Q40:	SW
Q10:	Not Reported	Coordew:	800
Coordewdir:	W	Coordns:	400
Coordnsdir:	S		
Utmx:	506746.8		
Utmy:	4431127.2		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.030336		
Longdecdeg:	-104.920925		
Use1:	DOMESTIC	Use2:	STOCK
Specialuse:	Not Reported	Aquifer1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	acres		
Annapprpr:	0		
Permissued:	1987-04-24		
Permexpire:	Not Reported		
Wellconstr:	1987-07-07		
Firstbenef:	Not Reported		
Pumpinstal:	1987-07-03		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	725
Topperfcas:	626	Botperfcas:	725
Yield:	13		
Staticwl:	413		
Applicantn:	TOTEMS LAWRENCE J		
Complewewe:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506746.8		
Disputmy:	4431127.2		
Latitude:	40.0303358083		
Longitude:	-104.92092536		
Site id:	CO6000000316885		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A5**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO6000000106231**

Fid:	106230	Objectid:	106231
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=9066238">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=9066238</a>		
Receipt:	9066238	Permit:	109843-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	20
Q160:	SW	Q40:	SW
Q10:	Not Reported	Coordew:	1000
Coordewdir:	W	Coordns:	290
Coordnsdir:	S		
Utmx:	506808.6		
Utmx:	4431093.7		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.030033		
Longdecdeg:	-104.920201		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	1		
Permissued:	1979-08-27		
Permexpire:	Not Reported		
Wellconstr:	Not Reported		
Firstbenef:	1926-02-15		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	0
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	TOTEMS MARGUERITE&LAWRENCE/GLARDON		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506808.6		
Disputmy:	4431093.7		
Latitude:	40.0300334859		
Longitude:	-104.920201397		
Site id:	CO6000000106231		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**6**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO6000000466475**

Fid:	466474	Objectid:	466475
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0517506">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0517506</a>		
Receipt:	0517506	Permit:	254302-
Wdid:	Not Reported	Currstatus:	Not Reported
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	39.77		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	19
Q160:	SW	Q40:	SE
Q10:	Not Reported	Coordew:	1473
Coordewdir:	W	Coordns:	224
Coordnsdir:	S		
Utmx:	505352.3		
Utmy:	4431075.7		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.029882		
Longdecdeg:	-104.93727		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	ISSUED UNDER PRESUMPTION	Use1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	1		
Permitunit:	ACRES		
Annapprpr:	0		
Permissued:	2003-12-03		
Permexpire:	2005-12-03		
Wellconstr:	Not Reported		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	0
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	TOTEMS LAWRENCE & ALYCE TRUST		
Complewew:	0	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	505352.3		
Disputmy:	4431075.7		
Latitude:	40.0298818071		
Longitude:	-104.937269758		
Site id:	CO6000000466475		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**7**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO6000000106505**

Fid:	106504	Objectid:	106505
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=9066531">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=9066531</a>		
Receipt:	9066531	Permit:	140241-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	20
Q160:	SW	Q40:	SE
Q10:	Not Reported	Coordew:	1420
Coordewdir:	W	Coordns:	100
Coordnsdir:	S		
Utmx:	506938		
Utmy:	4431036.2		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.029514		
Longdecdeg:	-104.918685		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	1		
Permissued:	Not Reported		
Permexpire:	Not Reported		
Wellconstr:	Not Reported		
Firstbenef:	1916-12-31		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	0
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	HEINZE PAUL		
Completwew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506938		
Disputmy:	4431036.2		
Latitude:	40.0295143711		
Longitude:	-104.918685411		
Site id:	CO6000000106505		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**8**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO6000000255022**

Fid:	255021	Objectid:	255022
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0052753">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0052753</a>		
Receipt:	0052753	Permit:	52753-MH
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	MW6	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	30
Q160:	NW	Q40:	SW
Q10:	Not Reported	Coordew:	681
Coordewdir:	W	Coordns:	1417
Coordnsdir:	N		
Utmx:	505110.3		
Utmx:	4430576.5		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.025386		
Longdecdeg:	-104.94011		
Use1:	OTHER	Use2:	Not Reported
Specialuse:	MONITORING WELL	Aquifer1:	QUATERNARY ALLUVIUM
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	0		
Permissued:	2014-07-31		
Permexpire:	2014-10-29		
Wellconstr:	2014-08-06		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	NOI submitted with incorrect location. It s actually in 66 West. WCR being re-submitted 8/26/14 svj. One WCR received.		
Elev:	4939	Welldepth:	36
Topperfcas:	11	Botperfcas:	36
Yield:	0		
Staticwl:	0		
Applicantn:	FORT LUPTON CITY OF		
Completwew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	505110.3		
Disputmy:	4430576.5		
Latitude:	40.0253856375		
Longitude:	-104.940109988		
Site id:	CO6000000255022		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

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

**CO WELLS      CO600000002424**

Fid:	2423	Objectid:	2424
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=2005244">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=2005244</a>		
Receipt:	2005244	Permit:	2005244-AB
Wdid:	Not Reported	Currstatus:	Well Abandoned
Wellname:	LFMW-1	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	.		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	19
Q160:	SE	Q40:	NW
Q10:	Not Reported	Coordew:	1700
Coordewdir:	E	Coordns:	2000
Coordnsdir:	S		
Utmx:	505973.4		
Utmy:	4431615.5		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.03474		
Longdecdeg:	-104.92999		
Use1:	OTHER	Use2:	Not Reported
Specialuse:	MONITORING WELL	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	0		
Permissued:	Not Reported		
Permexpire:	Not Reported		
Wellconstr:	Not Reported		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	2006-08-16		
Comment :	Not Reported		
Elev:	0	Welldepth:	20
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	CITY OF AURORA - WATER DEPARTMENT		
Completwew:	0	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	505973.4		
Disputmy:	4431615.5		
Latitude:	40.0347410986		
Longitude:	-104.929985348		
Site id:	CO600000002424		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**10  
 NW  
 1/2 - 1 Mile  
 Higher**

**CO WELLS      CO6000000472176**

Fid:	472175	Objectid:	472176
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0528266">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0528266</a>		
Receipt:	0528266	Permit:	259319-
Wdid:	Not Reported	Currstatus:	Permit Extended
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	19.860001		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	19
Q160:	SW	Q40:	SE
Q10:	Not Reported	Coordew:	1400
Coordewdir:	W	Coordns:	1275
Coordnsdir:	S		
Utmx:	505331.1		
Utmx:	4431396.2		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.03277		
Longdecdeg:	-104.937516		
Use1:	DOMESTIC	Use2:	STOCK
Specialuse:	Not Reported	Aquifer1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	1		
Permitunit:	ACRES		
Annapprpr:	0		
Permissued:	2004-09-21		
Permexpire:	2009-09-21		
Wellconstr:	Not Reported		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	5135	Welldepth:	0
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	HARMON SALLY & KELLY		
Complewew:	0	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	505331.1		
Disputmy:	4431396.2		
Latitude:	40.0327695653		
Longitude:	-104.937515592		
Site id:	CO6000000472176		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**11**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO600000002423**

Fid:	2422	Objectid:	2423
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=2005243">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=2005243</a>		
Receipt:	2005243	Permit:	2005243-AB
Wdid:	Not Reported	Currstatus:	Well Abandoned
Wellname:	LFMW-2	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	.		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	19
Q160:	NE	Q40:	SW
Q10:	Not Reported	Coordew:	2000
Coordewdir:	E	Coordns:	2500
Coordnsdir:	S		
Utmx:	505878.4		
Utmx:	4431768		
Locaccurac:	Spotted from section lines		
Latdecdeg:	40.03612		
Longdecdeg:	-104.9311		
Use1:	OTHER	Use2:	Not Reported
Specialuse:	MONITORING WELL	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	0		
Permissued:	Not Reported		
Permexpire:	Not Reported		
Wellconstr:	Not Reported		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	2006-08-16		
Comment :	Not Reported		
Elev:	0	Welldepth:	20
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	CITY OF AURORA - WATER DEPARTMENT		
Complewew:	0	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	505878.4		
Disputmy:	4431768		
Latitude:	40.036115751		
Longitude:	-104.931097467		
Site id:	CO600000002423		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**12**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO600000307076**

Fid:	307075	Objectid:	307076
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0256005B">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0256005B</a>		
Receipt:	0256005B	Permit:	140241--A
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	20
Q160:	SW	Q40:	SE
Q10:	Not Reported	Coordew:	0
Coordewdir:	Not Reported	Coordns:	0
Coordnsdir:	Not Reported		
Utmx:	507105.4		
Utmy:	4431206.2		
Locaccurac:	Spotted from quarters		
Latdecdeg:	40.031045		
Longdecdeg:	-104.916722		
Use1:	DOMESTIC	Use2:	STOCK
Specialuse:	Not Reported	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	acres		
Annapprpr:	0		
Permissued:	1985-07-09		
Permexpire:	Not Reported		
Wellconstr:	1985-06-18		
Firstbenef:	1985-09-23		
Pumpinstal:	1985-09-18		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	731
Topperfcas:	550	Botperfcas:	731
Yield:	11		
Staticwl:	453		
Applicantn:	HEINZE P.		
Completwew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	507105.4		
Disputmy:	4431206.2		
Latitude:	40.0310446341		
Longitude:	-104.916721593		
Site id:	CO600000307076		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**13**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000216271**

Org. Identifier:	USGS-CO		
Formal name:	USGS Colorado Water Science Center		
Monloc Identifier:	USGS-400202104550901		
Monloc name:	SC00106720BDC1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	10190005	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.0338729
Longitude:	-104.9196988	Sourcemap scale:	12500
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5321.00
Vert measure units:	feet	Vertacc measure val:	2
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19600101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1960-05-27	295.00	

**14**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**CO WELLS      CO6000000463646**

Fid:	463645	Objectid:	463646
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0511941">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0511941</a>		
Receipt:	0511941	Permit:	251727-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtldist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	2.3499999		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	19
Q160:	SW	Q40:	SW
Q10:	Not Reported	Coordew:	450
Coordewdir:	W	Coordns:	1230
Coordnsdir:	S		
Utmx:	505041.5		
Utmy:	4431383.5		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from section lines		
Latdecdeg:	40.032657		
Longdecdeg:	-104.94091		
Use1:	HOUSEHOLD USE ONLY	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annappropr:	0		
Permissued:	2003-07-14		
Permexpire:	2005-07-14		
Wellconstr:	2004-06-15		
Firstbenef:	Not Reported		
Pumpinstal:	2004-04-26		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	5140	Welldepth:	800
Topperfcas:	530	Botperfcas:	800
Yield:	7		
Staticwl:	383		
Applicantn:	OGDEN LEROY & MARY		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	505041.5		
Disputmy:	4431383.5		
Latitude:	40.0326569225		
Longitude:	-104.940910014		
Site id:	CO6000000463646		

**B15  
SSE  
1/2 - 1 Mile  
Lower**

**CO WELLS      CO6000000326773**

Fid:	326772	Objectid:	326773
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0296059">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0296059</a>		
Receipt:	0296059	Permit:	153351-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtdist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	31
Q160:	NE	Q40:	NE
Q10:	Not Reported	Coordew:	130
Coordewdir:	E	Coordns:	410
Coordnsdir:	N		
Utmx:	506467.9		
Utmy:	4429274.2		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from section lines		
Latdecdeg:	40.013643		
Longdecdeg:	-104.924213		
Use1:	HOUSEHOLD USE ONLY	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annappropr:	.33000001		
Permissued:	1989-01-30		
Permexpire:	Not Reported		
Wellconstr:	Not Reported		
Firstbenef:	1939-12-31		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	0
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	ADAMS DUANE C		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506467		
Disputmy:	4429274		
Latitude:	40.0136429063		
Longitude:	-104.924212628		
Site id:	CO6000000326773		

**B16**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**CO WELLS      CO6000000455748**

Fid:	455747	Objectid:	455748
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0498867">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0498867</a>		
Receipt:	0498867	Permit:	153351--A
Wdid:	Not Reported	Currstatus:	Permit Issued; Completion Status Unknown
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtdist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	.2		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	31
Q160:	NE	Q40:	NE
Q10:	Not Reported	Coordew:	130
Coordewdir:	E	Coordns:	410
Coordnsdir:	N		
Utmx:	506467.9		
Utmy:	4429274.2		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from section lines		
Latdecdeg:	40.013643		
Longdecdeg:	-104.924213		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	10000		
Permitunit:	SQ.FT.		
Annappropr:	0		
Permissued:	2002-10-16		
Permexpire:	2004-10-16		
Wellconstr:	Not Reported		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	0
Topperfcas:	0	Botperfcas:	0
Yield:	0		
Staticwl:	0		
Applicantn:	ADAMS DANNY C & DEBORAH A		
Complewew:	2	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506477.3		
Disputmy:	4429302.2		
Latitude:	40.0136429063		
Longitude:	-104.924212628		
Site id:	CO6000000455748		

**C17  
SSE  
1/2 - 1 Mile  
Lower**

**CO WELLS      CO6000000103794**

Fid:	103793	Objectid:	103794
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=9063657">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=9063657</a>		
Receipt:	9063657	Permit:	32978-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtdist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	32
Q160:	NW	Q40:	NW
Q10:	Not Reported	Coordew:	0
Coordewdir:	Not Reported	Coordns:	0
Coordnsdir:	Not Reported		
Utmx:	506709.3		
Utmy:	4429200.2		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from quarters		
Latdecdeg:	40.012974		
Longdecdeg:	-104.921385		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annappropr:	1		
Permissued:	Not Reported		
Permexpire:	Not Reported		
Wellconstr:	Not Reported		
Firstbenef:	1968-02-08		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	33
Topperfcas:	0	Botperfcas:	0
Yield:	15		
Staticwl:	11		
Applicantn:	GASPAR JOHN JR		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506709		
Disputmy:	4429200		
Latitude:	40.012974299		
Longitude:	-104.9213848		
Site id:	CO6000000103794		

**C18  
SSE  
1/2 - 1 Mile  
Lower**

**CO WELLS      CO6000000323131**

Fid:	323130	Objectid:	323131
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0287795">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0287795</a>	Permit:	32978--A
Receipt:	0287795	Currstatus:	Well Constructed
Wdid:	Not Reported	Caseno:	Not Reported
Wellname:	REPLACE 32978	Wd:	2
Div:	1	Mgmtdist:	Not Reported
County:	WELD		
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	0		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	32
Q160:	NW	Q40:	NW
Q10:	Not Reported	Coordew:	0
Coordewdir:	Not Reported	Coordns:	0
Coordnsdir:	Not Reported		
Utmx:	506709.3		
Utmy:	4429200.2		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from quarters		
Latdecdeg:	40.012974		
Longdecdeg:	-104.921385		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	acres		
Annappropr:	0		
Permissued:	1989-05-23		
Permexpire:	Not Reported		
Wellconstr:	1990-06-23		
Firstbenef:	Not Reported		
Pumpinstal:	Not Reported		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	31
Topperfcas:	13	Botperfcas:	30
Yield:	15		
Staticwl:	14		
Applicantn:	GASPAR MARTHA		
Complewew:	3	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506719.3		
Disputmy:	4429228.2		
Latitude:	40.012974299		
Longitude:	-104.9213848		
Site id:	CO6000000323131		

**19  
SSE  
1/2 - 1 Mile  
Lower**

**CO WELLS      CO6000000403296**

Fid:	403295	Objectid:	403296
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0418531">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0418531</a>		
Receipt:	0418531	Permit:	204921-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtdist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	57		
Pm:	S	Township:	1.0 N
Range:	67.0 W	Section :	32
Q160:	NW	Q40:	NW
Q10:	Not Reported	Coordew:	1100
Coordewdir:	W	Coordns:	450
Coordnsdir:	N		
Utmx:	506842.8		
Utmy:	4429262.2		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from section lines		
Latdecdeg:	40.013532		
Longdecdeg:	-104.91982		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	ISSUED UNDER PRESUMPTION	Use1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	acres		
Annapprpr:	0		
Permissued:	1997-08-26		
Permexpire:	1999-08-26		
Wellconstr:	1997-10-14		
Firstbenef:	Not Reported		
Pumpinstal:	1998-02-25		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	745
Topperfcas:	530	Botperfcas:	745
Yield:	11		
Staticwl:	462		
Applicantn:	JUKKOLA JOHN & KRISTY ALLISON		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	506842.8		
Disputmy:	4429262.2		
Latitude:	40.0135318328		
Longitude:	-104.919819881		
Site id:	CO6000000403296		

**D20  
SW  
1/2 - 1 Mile  
Higher**

**CO WELLS      CO6000000437022**

Fid:	437021	Objectid:	437022
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0466562">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0466562</a>		
Receipt:	0466562	Permit:	229706-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtdist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	5		
Pm:	S	Township:	1.0 N
Range:	68.0 W	Section :	25
Q160:	SE	Q40:	SE
Q10:	Not Reported	Coordew:	200
Coordewdir:	E	Coordns:	910
Coordnsdir:	S		
Utmx:	504840.8		
Utmy:	4429679.2		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from section lines		
Latdecdeg:	40.017303		
Longdecdeg:	-104.943275		
Use1:	DOMESTIC	Use2:	Not Reported
Specialuse:	Not Reported	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annapprpr:	1		
Permissued:	2000-10-26		
Permexpire:	2002-10-26		
Wellconstr:	2001-01-13		
Firstbenef:	Not Reported		
Pumpinstal:	2001-02-16		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	5100	Welldepth:	800
Topperfcas:	520	Botperfcas:	800
Yield:	0		
Staticwl:	540		
Applicantn:	BLEEKER CORY D		
Complewew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	504840.8		
Disputmy:	4429679.2		
Latitude:	40.0173027648		
Longitude:	-104.943275079		
Site id:	CO6000000437022		

**D21  
SW  
1/2 - 1 Mile  
Higher**

**CO WELLS      CO6000000434049**

Fid:	434048	Objectid:	434049
Moreinfo:	<a href="http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0461729">http://www.dwr.state.co.us/WellPermitSearch/View.aspx?receipt=0461729</a>		
Receipt:	0461729	Permit:	228631-
Wdid:	Not Reported	Currstatus:	Well Constructed
Wellname:	Not Reported	Caseno:	Not Reported
Div:	1	Wd:	2
County:	WELD	Mgmtdist:	Not Reported
Desigbasin:	Not Reported		
Subdivname:	Not Reported		
Filing:	Not Reported	Lot:	Not Reported
Block:	Not Reported	Ctyparclid:	Not Reported
Parcelsize:	5		
Pm:	S	Township:	1.0 N
Range:	68.0 W	Section :	25
Q160:	SE	Q40:	SE
Q10:	Not Reported	Coordew:	430
Coordewdir:	E	Coordns:	970
Coordnsdir:	S		
Utmx:	504770.7		
Utmy:	4429698.2		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locaccurac:	Spotted from section lines		
Latdecdeg:	40.017474		
Longdecdeg:	-104.944096		
Use1:	DOMESTIC	Use2:	IRRIGATION
Specialuse:	Not Reported	Aquifer1:	LARAMIE FOX HILLS
Aquifer2:	Not Reported		
Permitarea:	0		
Permitunit:	Not Reported		
Annappropr:	0		
Permissued:	2000-09-07		
Permexpire:	2002-09-07		
Wellconstr:	2001-01-10		
Firstbenef:	Not Reported		
Pumpinstal:	2001-01-16		
Wellplugge:	Not Reported		
Comment :	Not Reported		
Elev:	0	Welldepth:	800
Topperfcas:	520	Botperfcas:	800
Yield:	0		
Staticwl:	525		
Applicantn:	VILLANI KHRISTINA		
Completwew:	1	Ogcc api:	Not Reported
Ogjobbatch:	0		
Disputmx:	504770.7		
Disputmy:	4429698.2		
Latitude:	40.0174743492		
Longitude:	-104.944096377		
Site id:	CO6000000434049		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**1**  
**SSW**  
**0 - 1/8 Mile**

OIL\_GAS COOG10000040985

Link fld:	12307985	Attrib 1:	05-123-07985
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 2:	1 NORMAN D FRISBIE UNIT
Sdf key:	12307985&TYPE=WELL		
Facility id:	240197		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	NORMAN D FRISBIE UNIT
Field code:	90750		
Dist n s:	1590		
Dir n s:	N		
Dist e w:	1430		
Dir e w:	E	Qtrqtr:	SWNE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02485		
Ground ele:	5079		
Utm x:	506066		
Utm y:	4430518		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Api seq nu:	07985
Api county:	123		
Location id:	317927		
Loc name n:	NORMAN D FRISBIE UNIT-61N67W 30SWNE		
Site id:	COOG10000040985	Symbol :	LO_XX
Lon:	-104.92891		
Range :	67W		

**A2**  
**SW**  
**1/8 - 1/4 Mile**

OIL\_GAS COOG10000055911

Link fld:	12319987	Attrib 1:	05-123-19987
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	7-30 J.P. ROCK
Sdf key:	12319987&TYPE=WELL		
Facility id:	257524		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	7-30	Well name:	J.P. ROCK
Field code:	77900		
Dist n s:	1785		
Dir n s:	N		
Dist e w:	1785		
Dir e w:	E	Qtrqtr:	SWNE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02432		
Ground ele:	5083		
Utm x:	505947		
Utm y:	4430459		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	19987

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 330985  
 Loc name n: J.P. ROCK-61N67W 30SWNE  
 Site id: COOG10000055911      Symbol : LO\_XX  
 Lon: -104.9303  
 Range : 67W

---

**A3  
SW  
1/8 - 1/4 Mile**

**OIL\_GAS      COOG10000041718**

Link fld: 12308718      Attrib 1: 05-123-08718  
 Attrib 2: BROWNLIE,WALLACE,ARMST,BANDER      4 FRISBIE  
 Sdf key: 12308718&TYPE=WELL  
 Facility id: 240930  
 Facility type: WELL      Facility s: AL  
 Operator name: 11008  
 Well num: 4      Well name: FRISBIE  
 Field code: 77900  
 Dist n s: 1980  
 Dir n s: N  
 Dist e w: 1980  
 Dir e w: E      Qtrqtr: SWNE  
 Sec: 30      Twp: 1N  
 Meridian: 6  
 Lat: 40.023818  
 Ground ele: 5088  
 Utm x: 505899  
 Utm y: 4430403  
 Locqual: Planned Footage      Field name: SPINDLE  
 Name: BROWNLIE,WALLACE,ARMST,BANDER      08718  
 Api county: 123  
 Location id: 406545  
 Loc name n: FRISBIE-61N67W 30SWNE  
 Site id: COOG10000041718      Symbol : LO\_XX  
 Lon: -104.930863  
 Range : 67W

---

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

**OIL\_GAS      COOG10000041717**

Link fld: 12308717      Attrib 1: 05-123-08717  
 Attrib 2: K P KAUFFMAN COMPANY INC      Attrib 3: 3 FRISBIE  
 Sdf key: 12308717&TYPE=WELL  
 Facility id: 240929  
 Facility type: WELL      Facility s: PR  
 Operator name: 46290  
 Well num: 3      Well name: FRISBIE  
 Field code: 77900  
 Dist n s: 660  
 Dir n s: N

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	660	Qtrqtr:	NENE
Dir e w:	E	Twp:	1N
Sec:	30		
Meridian:	6		
Lat:	40.02745		
Ground ele:	5092		
Utm x:	506297		
Utm y:	4430807		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08717
Api county:	123		
Location id:	318229		
Loc name n:	FRISBIE-61N67W 30NENE		
Site id:	COOG10000041717	Symbol :	LO_XX
Lon:	-104.9262		
Range :	67W		

**5  
NW**

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

**OIL\_GAS**

**COOG10000041023**

Link fld:	12308023	Attrib 1:	05-123-08023
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	2 FRISBIE
Sdf key:	12308023&TYPE=WELL		
Facility id:	240235		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	2	Well name:	FRISBIE
Field code:	77900		
Dist n s:	660		
Dir n s:	N		
Dist e w:	1980		
Dir e w:	E	Qtrqtr:	NWNE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02763		
Ground ele:	5100		
Utm x:	505894		
Utm y:	4430826		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08023
Api county:	123		
Location id:	317948		
Loc name n:	FRISBIE-61N67W 30NWNE		
Site id:	COOG10000041023	Symbol :	LO_XX
Lon:	-104.93092		
Range :	67W		

**6  
SE**

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

**OIL\_GAS**

**COOG10000041004**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12308004	Attrib 1:	05-123-08004
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	1 FRISBIE
Sdf key:	12308004&TYPE=WELL		
Facility id:	240216		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	1	Well name:	FRISBIE
Field code:	77900		
Dist n s:	1980		
Dir n s:	N		
Dist e w:	460		
Dir e w:	E	Qtrqtr:	SENE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02382		
Ground ele:	5067		
Utm x:	506357		
Utm y:	4430404		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08004
Api county:	123		
Location id:	317942		
Loc name n:	FRISBIE-61N67W 30SENE		
Site id:	COOG10000041004	Symbol :	LO_XX
Lon:	-104.9255		
Range :	67W		

7

**ENE**

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

**OIL\_GAS**

**COOG10000041087**

Link fld:	12308087	Attrib 1:	05-123-08087
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	2 UPRR 43 PAN AM G
Sdf key:	12308087&TYPE=WELL		
Facility id:	240299		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	2	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	860		
Dir n s:	N		
Dist e w:	510		
Dir e w:	W	Qtrqtr:	NWNW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.02701		
Ground ele:	5085		
Utm x:	506655		
Utm y:	4430758		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08087
Api county:	123		
Location id:	317981		
Loc name n:	UPRR 43 PAN AM G-61N67W 29NWNW		
Site id:	COOG10000041087	Symbol :	LO_XX
Lon:	-104.922		
Range :	67W		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**8**

**SSW**

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

**OIL\_GAS**

**COOG10000043098**

Link fld:	12310101	Attrib 1:	05-123-10101
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	B-3 P.J. JACOBUCCI
Sdf key:	12310101&TYPE=WELL		
Facility id:	242310		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	B-3	Well name:	P.J. JACOBUCCI
Field code:	77900		
Dist n s:	2140		
Dir n s:	S		
Dist e w:	1980		
Dir e w:	E	Qtrqtr:	NWSE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02071		
Ground ele:	5081		
Utm x:	505894		
Utm y:	4430058		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	10101
Api county:	123		
Location id:	318851		
Loc name n:	P.J. JACOBUCCI-61N67W 30NWSE		
Site id:	COOG10000043098	Symbol :	LO_XX
Lon:	-104.93093		
Range :	67W		

**9**

**SSE**

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

**OIL\_GAS**

**COOG10000042953**

Link fld:	12309956	Attrib 1:	05-123-09956
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	B-1 P.J. JACOBUCCI
Sdf key:	12309956&TYPE=WELL		
Facility id:	242165		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	B-1	Well name:	P.J. JACOBUCCI
Field code:	77900		
Dist n s:	2120		
Dir n s:	S		
Dist e w:	520		
Dir e w:	E	Qtrqtr:	NESE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02066		
Ground ele:	5079		
Utm x:	506343		
Utm y:	4430053		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09956

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 318789  
 Loc name n: P.J. JACOBUCCI-61N67W 30NESE  
 Site id: COOG10000042953      Symbol : LO\_XX  
 Lon: -104.92567  
 Range : 67W

---

**10  
NNE  
1/4 - 1/2 Mile**

**OIL\_GAS      COOG10000041793**

Link fld: 12308793      Attrib 1: 05-123-08793  
 Attrib 2: K P KAUFFMAN COMPANY INC      Attrib 3: 9 UPRR 43 PAN AM H  
 Sdf key: 12308793&TYPE=WELL  
 Facility id: 241005  
 Facility type: WELL      Facility s: PR  
 Operator name: 46290  
 Well num: 9      Well name: UPRR 43 PAN AM H  
 Field code: 77900  
 Dist n s: 520  
 Dir n s: S  
 Dist e w: 520  
 Dir e w: E      Qtrqtr: SESE  
 Sec: 19      Twp: 1N  
 Meridian: 6  
 Lat: 40.030772  
 Ground ele: 5115  
 Utm x: 506335  
 Utm y: 4431175  
 Locqual: ACTUAL LatLong      Field name: SPINDLE  
 Name: K P KAUFFMAN COMPANY INC      Api seq nu: 08793  
 Api county: 123  
 Location id: 318265  
 Loc name n: UPRR 43 PAN AM H-61N67W 19SESE  
 Site id: COOG10000041793      Symbol : LO\_XX  
 Lon: -104.925746  
 Range : 67W

---

**11  
WNW  
1/4 - 1/2 Mile**

**OIL\_GAS      COOG10000042971**

Link fld: 12309974      Attrib 1: 05-123-09974  
 Attrib 2: K P KAUFFMAN COMPANY INC      Attrib 3: 1 J.E. KIRKMEYER  
 Sdf key: 12309974&TYPE=WELL  
 Facility id: 242183  
 Facility type: WELL      Facility s: PR  
 Operator name: 46290  
 Well num: 1      Well name: J.E. KIRKMEYER  
 Field code: 77900  
 Dist n s: 660  
 Dir n s: N

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	1900	Qtrqtr:	NENW
Dir e w:	W	Twp:	1N
Sec:	30		
Meridian:	6		
Lat:	40.02763		
Ground ele:	5109		
Utm x:	505501		
Utm y:	4430826		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09974
Api county:	123		
Location id:	318799		
Loc name n:	J.E. KIRKMEYER-61N67W 30NENW		
Site id:	COOG10000042971	Symbol :	LO_XX
Lon:	-104.93553		
Range :	67W		

**12**  
**WSW**  
**1/4 - 1/2 Mile**

**OIL\_GAS      COOG10000043078**

Link fld:	12310081	Attrib 1:	05-123-10081
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	3 J.E. KIRKMEYER (NAV)
Sdf key:	12310081&TYPE=WELL		
Facility id:	242290		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	3	Well name:	J.E. KIRKMEYER (NAV)
Field code:	77900		
Dist n s:	1980		
Dir n s:	N		
Dist e w:	1980		
Dir e w:	W	Qtrqtr:	SENW
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02404		
Ground ele:	5108		
Utm x:	505487		
Utm y:	4430427		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	10081
Api county:	123		
Location id:	318842		
Loc name n:	J.E. KIRKMEYER (NAV)-61N67W 30SENW		
Site id:	COOG10000043078	Symbol :	LO_XX
Lon:	-104.9357		
Range :	67W		

**13**  
**NNW**  
**1/4 - 1/2 Mile**

**OIL\_GAS      COOG10000041292**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12308292	Attrib 1:	05-123-08292
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	6 UPRR 43 PAN AM H
Sdf key:	12308292&TYPE=WELL		
Facility id:	240504		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	6	Well name:	UPRR 43 PAN AM H
Field code:	77900		
Dist n s:	660		
Dir n s:	S		
Dist e w:	1980		
Dir e w:	E	Qtrqtr:	SWSE
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.03121		
Ground ele:	5135		
Utm x:	505887		
Utm y:	4431224		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08292
Api county:	123		
Location id:	318050		
Loc name n:	UPRR 43 PAN AM H-61N67W 19SWSE		
Site id:	COOG10000041292	Symbol :	LO_XX
Lon:	-104.931003		
Range :	67W		

**14  
ESE  
1/4 - 1/2 Mile**

**OIL\_GAS      COOG10000041750**

Link fld:	12308750	Attrib 1:	05-123-08750
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	7 UPRR 43 PAN AM G
Sdf key:	12308750&TYPE=WELL		
Facility id:	240962		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	7	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	1980		
Dir n s:	N		
Dist e w:	660		
Dir e w:	W	Qtrqtr:	SWNW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.0239		
Ground ele:	5068		
Utm x:	506706		
Utm y:	4430413		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08750
Api county:	123		
Location id:	318249		
Loc name n:	UPRR 43 PAN AM G-61N67W 29SWNW		
Site id:	COOG10000041750	Symbol :	LO_XX
Lon:	-104.92141		
Range :	67W		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**15**

**West**

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

**OIL\_GAS**

**COOG10000044300**

Link fld:	12311304	Attrib 1:	05-123-11304
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE BP	Attrib 2:	1 NORMAN D FRISBIE UNIT TRUE
Sdf key:	12311304&TYPE=WELL		
Facility id:	243512		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	NORMAN D FRISBIE UNIT TRUE
Field code:	90750		
Dist n s:	990		
Dir n s:	N		
Dist e w:	1650		
Dir e w:	W	Qtrqtr:	NENW
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.02661		
Ground ele:	5116		
Utm x:	505388		
Utm y:	4430713		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE BP	Qtrqtr:	11304
Api county:	123		
Location id:	319456		
Loc name n:	NORMAN D FRISBIE UNIT TRUE-61N67W 30NENW		
Site id:	COOG10000044300	Symbol :	LO_XX
Lon:	-104.93685		
Range :	67W		

**16**

**South**

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

**OIL\_GAS**

**COOG10000044372**

Link fld:	12311376	Attrib 1:	05-123-11376
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE BP	Attrib 2:	1 PAUL JACOBUCCI G.U. TRUE
Sdf key:	12311376&TYPE=WELL		
Facility id:	243584		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	PAUL JACOBUCCI G.U. TRUE
Field code:	90750		
Dist n s:	1650		
Dir n s:	S		
Dist e w:	990		
Dir e w:	E	Qtrqtr:	NESE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.0193		
Ground ele:	5082		
Utm x:	506202		
Utm y:	4429902		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE BP	Qtrqtr:	11376

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 319504  
 Loc name n: PAUL JACOBUCCI G.U. TRUE-61N67W 30NESE  
 Site id: COOG10000044372      Symbol : LO\_XX  
 Lon: -104.92732  
 Range : 67W

---

**17  
NW  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041991**

Link fld: 12308991      Attrib 1: 05-123-08991  
 Attrib 2: K P KAUFFMAN COMPANY INC      Attrib 3: 13 UPRR 43 PAN AM H  
 Sdf key: 12308991&TYPE=WELL  
 Facility id: 241203  
 Facility type: WELL      Facility s: PA  
 Operator name: 46290  
 Well num: 13      Well name: UPRR 43 PAN AM H  
 Field code: 77900  
 Dist n s: 475  
 Dir n s: S  
 Dist e w: 1920  
 Dir e w: W      Qtrqtr: SESW  
 Sec: 19      Twp: 1N  
 Meridian: 6  
 Lat: 40.030568  
 Ground ele: 5124  
 Utm x: 505485  
 Utm y: 4431152  
 Locqual: Planned Footage      Field name: SPINDLE  
 Name: K P KAUFFMAN COMPANY INC      Api seq nu: 08991  
 Api county: 123  
 Location id: 406628  
 Loc name n: UPRR 43 PAN AM H-61N67W 19SESW  
 Site id: COOG10000041991      Symbol : LO\_XX  
 Lon: -104.935714  
 Range : 67W

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**B18  
East  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000047399**

Link fld: 12314409      Attrib 1: 05-123-14409  
 Attrib 2: KERR MCGEE OIL & GAS ONSHORE      Attrib 3: 1-29 ZARLENGO  
 Sdf key: 12314409&TYPE=WELL  
 Facility id: 246612  
 Facility type: WELL      Facility s: PR  
 Operator name: 47120  
 Well num: 1-29      Well name: ZARLENGO  
 Field code: 90750  
 Dist n s: 1479  
 Dir n s: N

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	1319	Qtrqtr:	CNW
Dir e w:	W	Twp:	1N
Sec:	29		
Meridian:	6		
Lat:	40.025274		
Ground ele:	5071		
Utm x:	506920		
Utm y:	4430566		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Api seq nu:	14409
Api county:	123		
Location id:	327263		
Loc name n:	ZARLENGO-61N67W 29CNW		
Site id:	COOG10000047399	Symbol :	LO_XX
Lon:	-104.918898		
Range :	67W		

**C19  
SE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000042253**

Link fld:	12309254	Attrib 1:	05-123-09254
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	8A UPRR 43 PAN AM G
Sdf key:	12309254&TYPE=WELL		
Facility id:	241465		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	8A	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	1830		
Dir n s:	S		
Dist e w:	560		
Dir e w:	W	Qtrqtr:	NWSW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.01987		
Ground ele:	5057		
Utm x:	506670		
Utm y:	4429966		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09254
Api county:	123		
Location id:	318521		
Loc name n:	UPRR 43 PAN AM G-61N67W 29NWSW		
Site id:	COOG10000042253	Symbol :	LO_XX
Lon:	-104.92184		
Range :	67W		

**C20  
SE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000042198**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12309199	Attrib 1:	05-123-09199
Attrib 2:	AMOCO PRODUCTION CO.	Attrib 3:	8 UPRR 43 PAN AM G
Sdf key:	12309199&TYPE=WELL		
Facility id:	241410		
Facility type:	WELL	Facility s:	DA
Operator name:	2500		
Well num:	8	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	1870		
Dir n s:	S		
Dist e w:	660		
Dir e w:	W	Qtrqtr:	NWSW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.019908		
Ground ele:	5054		
Utm x:	506705		
Utm y:	4429970		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	AMOCO PRODUCTION CO.	Api seq nu:	09199
Api county:	123		
Location id:	406687		
Loc name n:	UPRR 43 PAN AM G-61N67W 29NWSW		
Site id:	COOG10000042198	Symbol :	LO_XX
Lon:	-104.921433		
Range :	67W		

**D21  
NE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041795**

Link fld:	12308795	Attrib 1:	05-123-08795
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	2 MARGUERITE TOTEMS B
Sdf key:	12308795&TYPE=WELL		
Facility id:	241007		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	2	Well name:	MARGUERITE TOTEMS B
Field code:	77900		
Dist n s:	780		
Dir n s:	S		
Dist e w:	810		
Dir e w:	W	Qtrqtr:	SWSW
Sec:	20	Twp:	1N
Meridian:	6		
Lat:	40.0314		
Ground ele:	5120		
Utm x:	506740		
Utm y:	4431245		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08795
Api county:	123		
Location id:	318267		
Loc name n:	MARGUERITE TOTEMS B-61N67W 20SWSW		
Site id:	COOG10000041795	Symbol :	LO_XX
Lon:	-104.921006		
Range :	67W		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**22**  
**North**  
**1/2 - 1 Mile**

OIL\_GAS COOG10000046668

Link fld:	12313675	Attrib 1:	05-123-13675
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 2:	2 UPRR 43 PAN AM GAS UNIT J
Sdf key:	12313675&TYPE=WELL		
Facility id:	245880		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	2	Well name:	UPRR 43 PAN AM GAS UNIT J
Field code:	90750		
Dist n s:	1650		
Dir n s:	S		
Dist e w:	990		
Dir e w:	E	Qtrqtr:	NESE
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.033889		
Ground ele:	5147		
Utm x:	506200		
Utm y:	4431521		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Qtrqtr:	13675
Api county:	123		
Location id:	326790		
Loc name n:	UPRR 43 PAN AM GAS UNIT J-61N67W 19NESE		
Site id:	COOG10000046668	Symbol :	LO_XX
Lon:	-104.927331		
Range :	67W		

**B23**  
**East**  
**1/2 - 1 Mile**

OIL\_GAS COOG10000049486

Link fld:	12316500	Attrib 1:	05-123-16500
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 2:	1 ZARLENGO 2-29 D
Sdf key:	12316500&TYPE=WELL		
Facility id:	248699		
Facility type:	WELL	Facility s:	PA
Operator name:	47120		
Well num:	1	Well name:	ZARLENGO 2-29 D
Field code:	90750		
Dist n s:	1650		
Dir n s:	N		
Dist e w:	1650		
Dir e w:	W	Qtrqtr:	SENW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.02485		
Ground ele:	5067		
Utm x:	507005		
Utm y:	4430519		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Qtrqtr:	16500

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 328840  
 Loc name n: ZARLENGO 2-29 D-61N67W 29SE  
 Site id: COOG10000049486      Symbol : LO\_XX  
 Lon: -104.91791  
 Range : 67W

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**24**

**WNW**

**1/2 - 1 Mile**

**OIL\_GAS**

**COOG10000041283**

Link fld: 12308283      Attrib 1: 05-123-08283  
 Attrib 2: K P KAUFFMAN COMPANY INC      Attrib 3: 5 UPRR 43 PAN AM H  
 Sdf key: 12308283&TYPE=WELL  
 Facility id: 240495  
 Facility type: WELL      Facility s: PA  
 Operator name: 46290  
 Well num: 5      Well name: UPRR 43 PAN AM H  
 Field code: 77900  
 Dist n s: 360  
 Dir n s: S  
 Dist e w: 1200  
 Dir e w: W      Qtrqtr: SWSW  
 Sec: 19      Twp: 1N  
 Meridian: 6  
 Lat: 40.030268  
 Ground ele: 5129  
 Utm x: 505266  
 Utm y: 4431119  
 Locqual: Planned Footage      Field name: SPINDLE  
 Name: K P KAUFFMAN COMPANY INC      Api seq nu: 08283  
 Api county: 123  
 Location id: 406349  
 Loc name n: UPRR 43 PAN AM H-61N67W 19SWSW  
 Site id: COOG10000041283      Symbol : LO\_XX  
 Lon: -104.938284  
 Range : 67W

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**25**

**NNW**

**1/2 - 1 Mile**

**OIL\_GAS**

**COOG10000041751**

Link fld: 12308751      Attrib 1: 05-123-08751  
 Attrib 2: K P KAUFFMAN COMPANY INC      Attrib 3: 8 UPRR 43 PAN AM H  
 Sdf key: 12308751&TYPE=WELL  
 Facility id: 240963  
 Facility type: WELL      Facility s: PA  
 Operator name: 46290  
 Well num: 8      Well name: UPRR 43 PAN AM H  
 Field code: 77900  
 Dist n s: 1780  
 Dir n s: S

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	1980	Qtrqtr:	NWSE
Dir e w:	E	Twp:	1N
Sec:	19		
Meridian:	6		
Lat:	40.034287		
Ground ele:	5165		
Utm x:	505889		
Utm y:	4431565		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08751
Api county:	123		
Location id:	318250		
Loc name n:	UPRR 43 PAN AM H-61N67W 19NWSE		
Site id:	COOG10000041751	Symbol :	LO_XX
Lon:	-104.930978		
Range :	67W		

**D26  
NE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000040900**

Link fld:	12307900	Attrib 1:	05-123-07900
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE BP		1 MARGUERITE TOTEMS UNIT
Sdf key:	12307900&TYPE=WELL		
Facility id:	240112		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	MARGUERITE TOTEMS UNIT
Field code:	90750		
Dist n s:	990		
Dir n s:	S		
Dist e w:	990		
Dir e w:	W	Qtrqtr:	SWSW
Sec:	20	Twp:	1N
Meridian:	6		
Lat:	40.03206		
Ground ele:	5117		
Utm x:	506800		
Utm y:	4431319		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE BP	Api seq nu:	07900
Api county:	123		
Location id:	317877		
Loc name n:	MARGUERITE TOTEMS UNIT-61N67W 20SWSW		
Site id:	COOG10000040900	Symbol :	LO_XX
Lon:	-104.9203		
Range :	67W		

**27  
NNE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041003**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12308003	Attrib 1:	05-123-08003
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	1 UPRR 43 PAN AM H
Sdf key:	12308003&TYPE=WELL		
Facility id:	240215		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	1	Well name:	UPRR 43 PAN AM H
Field code:	77900		
Dist n s:	1980		
Dir n s:	S		
Dist e w:	660		
Dir e w:	E	Qtrqtr:	NESE
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.034695		
Ground ele:	5150		
Utm x:	506298		
Utm y:	4431611		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08003
Api county:	123		
Location id:	317941		
Loc name n:	UPRR 43 PAN AM H-61N67W 19NESE		
Site id:	COOG10000041003	Symbol :	LO_XX
Lon:	-104.926185		
Range :	67W		

**28**  
**South**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000043097**

Link fld:	12310100	Attrib 1:	05-123-10100
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	B-4 P.J. JACOBUCCI
Sdf key:	12310100&TYPE=WELL		
Facility id:	242309		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	B-4	Well name:	P.J. JACOBUCCI
Field code:	77900		
Dist n s:	660		
Dir n s:	S		
Dist e w:	1980		
Dir e w:	E	Qtrqtr:	SWSE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.016589		
Ground ele:	5069		
Utm x:	505902		
Utm y:	4429601		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	10100
Api county:	123		
Location id:	318850		
Loc name n:	P.J. JACOBUCCI-61N67W 30SWSE		
Site id:	COOG10000043097	Symbol :	LO_XX
Lon:	-104.930842		
Range :	67W		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**29**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS COOG10000041075**

Link fld:	12308075	Attrib 1:	05-123-08075
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	3 UPRR 43 PAN AM G
Sdf key:	12308075&TYPE=WELL		
Facility id:	240287		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	3	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	1980		
Dir n s:	N		
Dist e w:	1980		
Dir e w:	W	Qtrqtr:	SENW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.02397		
Ground ele:	5062		
Utm x:	507099		
Utm y:	4430421		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08075
Api county:	123		
Location id:	317972		
Loc name n:	UPRR 43 PAN AM G-61N67W 29SENW		
Site id:	COOG10000041075	Symbol :	LO_XX
Lon:	-104.9168		
Range :	67W		

**30**  
**SSE**  
**1/2 - 1 Mile**

**OIL\_GAS COOG10000042954**

Link fld:	12309957	Attrib 1:	05-123-09957
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	2 P.J. JACOBUCCI
Sdf key:	12309957&TYPE=WELL		
Facility id:	242166		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	2	Well name:	P.J. JACOBUCCI
Field code:	77900		
Dist n s:	660		
Dir n s:	S		
Dist e w:	660		
Dir e w:	E	Qtrqtr:	SESE
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.016587		
Ground ele:	5052		
Utm x:	506305		
Utm y:	4429601		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09957

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 318790  
 Loc name n: P.J. JACOBUCCI-61N67W 30SESE  
 Site id: COOG10000042954      Symbol : LO\_XX  
 Lon: -104.926123  
 Range : 67W

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**31**  
**ENE**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000041749**

Link fld:	12308749	Attrib 1:	05-123-08749
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	6 UPRR 43 PAN AM G
Sdf key:	12308749&TYPE=WELL		
Facility id:	240961		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	6	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	660		
Dir n s:	N		
Dist e w:	1980		
Dir e w:	W	Qtrqtr:	NENW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.02756		
Ground ele:	5078		
Utm x:	507108		
Utm y:	4430819		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08749
Api county:	123		
Location id:	318248		
Loc name n:	UPRR 43 PAN AM G-61N67W 29NENW		
Site id:	COOG10000041749	Symbol :	LO_XX
Lon:	-104.9167		
Range :	67W		

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**32**  
**WNW**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000043079**

Link fld:	12310082	Attrib 1:	05-123-10082
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	2 J.E. KIRKMEYER
Sdf key:	12310082&TYPE=WELL		
Facility id:	242291		
Facility type:	WELL	Facility s:	PA
Operator name:	46290		
Well num:	2	Well name:	J.E. KIRKMEYER
Field code:	77900		
Dist n s:	520		
Dir n s:	N		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	520	Qtrqtr:	NWNW
Dir e w:	W	Twp:	1N
Sec:	30		
Meridian:	6		
Lat:	40.027848		
Ground ele:	5132		
Utm x:	505058		
Utm y:	4430850		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	10082
Api county:	123		
Location id:	407106		
Loc name n:	J.E. KIRKMEYER-61N67W 30NWNW		
Site id:	COOG10000043079	Symbol :	LO_XX
Lon:	-104.940724		
Range :	67W		

**E33  
NNW  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041308**

Link fld:	12308308	Attrib 1:	05-123-08308
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	4A UPRR 43 PAN AM H
Sdf key:	12308308&TYPE=WELL		
Facility id:	240520		
Facility type:	WELL	Facility s:	PA
Operator name:	46290		
Well num:	4A	Well name:	UPRR 43 PAN AM H
Field code:	77900		
Dist n s:	1780		
Dir n s:	S		
Dist e w:	2200		
Dir e w:	W	Qtrqtr:	NESW
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.034158		
Ground ele:	5149		
Utm x:	505572		
Utm y:	4431550		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08308
Api county:	123		
Location id:	406361		
Loc name n:	UPRR 43 PAN AM H-61N67W 19NESW		
Site id:	COOG10000041308	Symbol :	LO_XX
Lon:	-104.934694		
Range :	67W		

**E34  
NNW  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041273**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12308273	Attrib 1:	05-123-08273
Attrib 2:	AMOCO PRODUCTION CO.	Attrib 3:	4 UPRR 43 PAN AM H
Sdf key:	12308273&TYPE=WELL		
Facility id:	240485		
Facility type:	WELL	Facility s:	DA
Operator name:	2500		
Well num:	4	Well name:	UPRR 43 PAN AM H
Field code:	77900		
Dist n s:	1900		
Dir n s:	S		
Dist e w:	2100		
Dir e w:	W	Qtrqtr:	NESW
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.034488		
Ground ele:	5146		
Utm x:	505542		
Utm y:	4431587		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	AMOCO PRODUCTION CO.	Api seq nu:	08273
Api county:	123		
Location id:	406346		
Loc name n:	UPRR 43 PAN AM H-61N67W 19NESW		
Site id:	COOG10000041273	Symbol :	LO_XX
Lon:	-104.935044		
Range :	67W		

**35  
ENE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041796**

Link fld:	12308796	Attrib 1:	05-123-08796
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	2 PAUL W HEINZE
Sdf key:	12308796&TYPE=WELL		
Facility id:	241008		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	2	Well name:	PAUL W HEINZE
Field code:	77900		
Dist n s:	660		
Dir n s:	S		
Dist e w:	1780		
Dir e w:	W	Qtrqtr:	SESW
Sec:	20	Twp:	1N
Meridian:	6		
Lat:	40.031103		
Ground ele:	5104		
Utm x:	507037		
Utm y:	4431213		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08796
Api county:	123		
Location id:	318268		
Loc name n:	PAUL W HEINZE-61N67W 20SESW		
Site id:	COOG10000041796	Symbol :	LO_XX
Lon:	-104.917522		
Range :	67W		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**36**  
**NNE**  
**1/2 - 1 Mile**

**OIL\_GAS COOG10000041794**

Link fld:	12308794	Attrib 1:	05-123-08794
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	1 MARGUERITE TOTEMS B
Sdf key:	12308794&TYPE=WELL		
Facility id:	241006		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	1	Well name:	MARGUERITE TOTEMS B
Field code:	77900		
Dist n s:	1980		
Dir n s:	S		
Dist e w:	460		
Dir e w:	W	Qtrqtr:	NWSW
Sec:	20	Twp:	1N
Meridian:	6		
Lat:	40.03481		
Ground ele:	5121		
Utm x:	506635		
Utm y:	4431624		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08794
Api county:	123		
Location id:	318266		
Loc name n:	MARGUERITE TOTEMS B-61N67W 20NWSW		
Site id:	COOG10000041794	Symbol :	LO_XX
Lon:	-104.922232		
Range :	67W		

**37**  
**SE**  
**1/2 - 1 Mile**

**OIL\_GAS COOG10000040761**

Link fld:	12307761	Attrib 1:	05-123-07761
Attrib 2:	AMOCO PRODUCTION CO.	Attrib 3:	1 UPRR 43 PAN AM D
Sdf key:	12307761&TYPE=WELL		
Facility id:	239973		
Facility type:	WELL	Facility s:	AL
Operator name:	2500		
Well num:	1	Well name:	UPRR 43 PAN AM D
Field code:	90750		
Dist n s:	990		
Dir n s:	S		
Dist e w:	990		
Dir e w:	W	Qtrqtr:	SWSW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.017488		
Ground ele:	5043		
Utm x:	506805		
Utm y:	4429701		
Locqual:	Planned Footage	Field name:	WATTENBERG
Name:	AMOCO PRODUCTION CO.	Api seq nu:	07761

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 406145  
 Loc name n: UPRR 43 PAN AM D-61N67W 29SWSW  
 Site id: COOG10000040761      Symbol : LO\_XX  
 Lon: -104.920253  
 Range : 67W

**38  
SSW  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000051790**

Link fld:	12318806	Attrib 1:	05-123-18806
Attrib 2:	BASIN EXPLORATION INC	Attrib 3:	24-30 KIRKMEYER
Sdf key:	12318806&TYPE=WELL		
Facility id:	251003		
Facility type:	WELL	Facility s:	AL
Operator name:	6540		
Well num:	24-30	Well name:	KIRKMEYER
Field code:	90750		
Dist n s:	660		
Dir n s:	S		
Dist e w:	1956		
Dir e w:	W	Qtrqtr:	SESW
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.016608		
Ground ele:	5074		
Utm x:	505495		
Utm y:	4429603		
Locqual:	Planned Footage	Field name:	WATTENBERG
Name:	BASIN EXPLORATION INC	Api seq nu:	18806
Api county:	123		
Location id:	409223		
Loc name n:	KIRKMEYER-61N67W 30SESW		
Site id:	COOG10000051790	Symbol :	LO_XX
Lon:	-104.935614		
Range :	67W		

**39  
NW  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000042418**

Link fld:	12309419	Attrib 1:	05-123-09419
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE BP		1 UPRR 43 PAN AM M
Sdf key:	12309419&TYPE=WELL		
Facility id:	241630		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	UPRR 43 PAN AM M
Field code:	90750		
Dist n s:	1450		
Dir n s:	S		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	1210	Qtrqtr:	NWSW
Dir e w:	W	Twp:	1N
Sec:	19		
Meridian:	6		
Lat:	40.033397		
Ground ele:	5128		
Utm x:	505271		
Utm y:	4431466		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Api seq nu:	09419
Api county:	123		
Location id:	318571		
Loc name n:	UPRR 43 PAN AM M-61N67W 19NWSW		
Site id:	COOG10000042418	Symbol :	LO_XX
Lon:	-104.938225		
Range :	67W		

**40  
SSE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000042199**

Link fld:	12309200	Attrib 1:	05-123-09200
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	10 UPRR 43 PAN AM G
Sdf key:	12309200&TYPE=WELL		
Facility id:	241411		
Facility type:	WELL	Facility s:	PA
Operator name:	46290		
Well num:	10	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	610		
Dir n s:	S		
Dist e w:	660		
Dir e w:	W	Qtrqtr:	SWSW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.016448		
Ground ele:	5041		
Utm x:	506705		
Utm y:	4429586		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09200
Api county:	123		
Location id:	406688		
Loc name n:	UPRR 43 PAN AM G-61N67W 29SWSW		
Site id:	COOG10000042199	Symbol :	LO_XX
Lon:	-104.921433		
Range :	67W		

**41  
ESE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000042084**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12309084	Attrib 1:	05-123-09084
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	9 UPRR 43 PAN AM G
Sdf key:	12309084&TYPE=WELL		
Facility id:	241296		
Facility type:	WELL	Facility s:	PA
Operator name:	46290		
Well num:	9	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	2120		
Dir n s:	S		
Dist e w:	2120		
Dir e w:	W	Qtrqtr:	NESW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.020598		
Ground ele:	5052		
Utm x:	507149		
Utm y:	4430047		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09084
Api county:	123		
Location id:	406653		
Loc name n:	UPRR 43 PAN AM G-61N67W 29NESW		
Site id:	COOG10000042084	Symbol :	LO_XX
Lon:	-104.916223		
Range :	67W		

**42  
SW  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041408**

Link fld:	12308408	Attrib 1:	05-123-08408
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 3:	1 PAUL JACOBUCCI GAS UNIT
Sdf key:	12308408&TYPE=WELL		
Facility id:	240620		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	PAUL JACOBUCCI GAS UNIT
Field code:	90750		
Dist n s:	990		
Dir n s:	S		
Dist e w:	990		
Dir e w:	W	Qtrqtr:	SWSW
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.01757		
Ground ele:	5092		
Utm x:	505202		
Utm y:	4429709		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Api seq nu:	08408
Api county:	123		
Location id:	318106		
Loc name n:	PAUL JACOBUCCI GAS UNIT-61N67W 30SWSW		
Site id:	COOG10000041408	Symbol :	LO_XX
Lon:	-104.93904		
Range :	67W		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**43**  
**SE**  
**1/2 - 1 Mile**

**OIL\_GAS COOG10000042392**

Link fld:	12309393	Attrib 1:	05-123-09393
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 3:	1 UPRR 43 PAN AM L
Sdf key:	12309393&TYPE=WELL		
Facility id:	241604		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	UPRR 43 PAN AM L
Field code:	90750		
Dist n s:	990		
Dir n s:	S		
Dist e w:	1650		
Dir e w:	W	Qtrqtr:	SESW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.017581		
Ground ele:	5035		
Utm x:	507011		
Utm y:	4429712		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Api seq nu:	09393
Api county:	123		
Location id:	318562		
Loc name n:	UPRR 43 PAN AM L-61N67W 29SESW		
Site id:	COOG10000042392	Symbol :	LO_XX
Lon:	-104.917847		
Range :	67W		

**44**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS COOG10000041044**

Link fld:	12308044	Attrib 1:	05-123-08044
Attrib 2:	FRITZLER RESOURCES INC	Attrib 3:	1 HOPKINS 32-19 (1-67)
Sdf key:	12308044&TYPE=WELL		
Facility id:	240256		
Facility type:	WELL	Facility s:	PR
Operator name:	31257		
Well num:	1	Well name:	HOPKINS 32-19 (1-67)
Field code:	77900		
Dist n s:	2150		
Dir n s:	N		
Dist e w:	1250		
Dir e w:	E	Qtrqtr:	SWNE
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.03794		
Ground ele:	5169		
Utm x:	506109		
Utm y:	4431971		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	FRITZLER RESOURCES INC	Api seq nu:	08044

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 317960  
 Loc name n: HOPKINS 32-19 (1-67)-61N67W 19SWNE  
 Site id: COOG10000041044      Symbol : LO\_XX  
 Lon: -104.92839  
 Range : 67W

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**F45**

**NW**

**1/2 - 1 Mile**

**OIL\_GAS**

**COOG10000042023**

Link fld: 12309023      Attrib 1: 05-123-09023  
 Attrib 2: K P KAUFFMAN COMPANY INC      Attrib 3: 12 A UPRR 43 PAN AM H  
 Sdf key: 12309023&TYPE=WELL  
 Facility id: 241235  
 Facility type: WELL      Facility s: PA  
 Operator name: 46290  
 Well num: 12 A      Well name: UPRR 43 PAN AM H  
 Field code: 77900  
 Dist n s: 1980  
 Dir n s: S  
 Dist e w: 860  
 Dir e w: W      Qtrqtr: NWSW  
 Sec: 19      Twp: 1N  
 Meridian: 6  
 Lat: 40.034718  
 Ground ele: 5124  
 Utm x: 505164  
 Utm y: 4431612  
 Locqual: Planned Footage      Field name: SPINDLE  
 Name: K P KAUFFMAN COMPANY INC      Api seq nu: 09023  
 Api county: 123  
 Location id: 406641  
 Loc name n: UPRR 43 PAN AM H-61N67W 19NWSW  
 Site id: COOG10000042023      Symbol : LO\_XX  
 Lon: -104.939474  
 Range : 67W

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**G46**

**West**

**1/2 - 1 Mile**

**OIL\_GAS**

**COOG10000052015**

Link fld: 12319031      Attrib 1: 05-123-19031  
 Attrib 2: SNYDER OIL CORP      Attrib 3: 25-8L8 UPV  
 Sdf key: 12319031&TYPE=WELL  
 Facility id: 251228  
 Facility type: WELL      Facility s: AL  
 Operator name: 80530  
 Well num: 25-8L8      Well name: UPV  
 Field code: 90750  
 Dist n s: 1822  
 Dir n s: N

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	643	Qtrqtr:	SENE
Dir e w:	E	Twp:	1N
Sec:	25		
Meridian:	6		
Lat:	40.024298		
Ground ele:	5135		
Utm x:	504703		
Utm y:	4430456		
Locqual:	Planned Footage	Field name:	WATTENBERG
Name:	SNYDER OIL CORP	Api seq nu:	19031
Api county:	123		
Location id:	409304		
Loc name n:	UPV-61N68W 25SENE		
Site id:	COOG10000052015	Symbol :	LO_XX
Lon:	-104.944884		
Range :	68W		

**H47  
West  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000052012**

Link fld:	12319028	Attrib 1:	05-123-19028
Attrib 2:	SNYDER OIL CORP	Attrib 3:	25-1L8 UPV
Sdf key:	12319028&TYPE=WELL		
Facility id:	251225		
Facility type:	WELL	Facility s:	AL
Operator name:	80530		
Well num:	25-1L8	Well name:	UPV
Field code:	90750		
Dist n s:	666		
Dir n s:	N		
Dist e w:	638		
Dir e w:	E	Qtrqtr:	NENE
Sec:	25	Twp:	1N
Meridian:	6		
Lat:	40.027468		
Ground ele:	5151		
Utm x:	504705		
Utm y:	4430807		
Locqual:	Planned Footage	Field name:	WATTENBERG
Name:	SNYDER OIL CORP	Api seq nu:	19028
Api county:	123		
Location id:	409301		
Loc name n:	UPV-61N68W 25NENE		
Site id:	COOG10000052012	Symbol :	LO_XX
Lon:	-104.944854		
Range :	68W		

**G48  
West  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000074109**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12324273	Attrib 1:	05-123-24273
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 2:	8-25 TALBOT
Sdf key:	12324273&TYPE=WELL		
Facility id:	287274		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	8-25	Well name:	TALBOT
Field code:	90750		
Dist n s:	1830		
Dir n s:	N		
Dist e w:	660		
Dir e w:	E	Qtrqtr:	SENE
Sec:	25	Twp:	1N
Meridian:	6		
Lat:	40.02444		
Ground ele:	5139		
Utm x:	504697		
Utm y:	4430471		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Api seq nu:	24273
Api county:	123		
Location id:	306233		
Loc name n:	TALBOT-61N68W 25SENE		
Site id:	COOG10000074109	Symbol :	LO_XX
Lon:	-104.94495		
Range :	68W		

**H49  
West  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000043256**

Link fld:	12310259	Attrib 1:	05-123-10259
Attrib 2:	ANADARKO E&P ONSHORE LLO	Attrib 3:	1 BRAMMING 41-25
Sdf key:	12310259&TYPE=WELL		
Facility id:	242468		
Facility type:	WELL	Facility s:	PA
Operator name:	2800		
Well num:	1	Well name:	BRAMMING 41-25
Field code:	77900		
Dist n s:	664		
Dir n s:	N		
Dist e w:	659		
Dir e w:	E	Qtrqtr:	NENE
Sec:	25	Twp:	1N
Meridian:	6		
Lat:	40.027478		
Ground ele:	5149		
Utm x:	504699		
Utm y:	4430808		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	ANADARKO E&P ONSHORE LLO	Api seq nu:	10259
Api county:	123		
Location id:	409301		
Loc name n:	UPV-61N68W 25NENE		
Site id:	COOG10000043256	Symbol :	LO_XX
Lon:	-104.944934		
Range :	68W		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**F50  
NW  
1/2 - 1 Mile**

**OIL\_GAS COOG10000041924**

Link fld:	12308924	Attrib 1:	05-123-08924
Attrib 2:	AMOCO PRODUCTION CO.	Attrib 3:	12 UPRR 43 PAN AM H
Sdf key:	12308924&TYPE=WELL		
Facility id:	241136		
Facility type:	WELL	Facility s:	DA
Operator name:	2500		
Well num:	12	Well name:	UPRR 43 PAN AM H
Field code:	77900		
Dist n s:	1980		
Dir n s:	S		
Dist e w:	625		
Dir e w:	W	Qtrqtr:	NWSW
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.034718		
Ground ele:	5123		
Utm x:	505092		
Utm y:	4431612		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	AMOCO PRODUCTION CO.	Api seq nu:	08924
Api county:	123		
Location id:	406614		
Loc name n:	UPRR 43 PAN AM H-61N67W 19NWSW		
Site id:	COOG10000041924	Symbol :	LO_XX
Lon:	-104.940314		
Range :	67W		

**51  
SW  
1/2 - 1 Mile**

**OIL\_GAS COOG10000051789**

Link fld:	12318805	Attrib 1:	05-123-18805
Attrib 2:	BASIN EXPLORATION INC	Attrib 3:	14-30 KIRKMEYER
Sdf key:	12318805&TYPE=WELL		
Facility id:	251002		
Facility type:	WELL	Facility s:	AL
Operator name:	6540		
Well num:	14-30	Well name:	KIRKMEYER
Field code:	90750		
Dist n s:	660		
Dir n s:	S		
Dist e w:	652		
Dir e w:	W	Qtrqtr:	SWSW
Sec:	30	Twp:	1N
Meridian:	6		
Lat:	40.016608		
Ground ele:	5096		
Utm x:	505097		
Utm y:	4429602		
Locqual:	Planned Footage	Field name:	WATTENBERG
Name:	BASIN EXPLORATION INC	Api seq nu:	18805

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 409222  
 Loc name n: KIRKMEYER-61N67W 30SWSW  
 Site id: COOG10000051789      Symbol : LO\_XX  
 Lon: -104.940274  
 Range : 67W

**52**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000041769**

Link fld:	12308769	Attrib 1:	05-123-08769
Attrib 2:	FRITZLER RESOURCES INC	Attrib 3:	4 B C HOPKINS 42-19 (1-67)
Sdf key:	12308769&TYPE=WELL		
Facility id:	240981		
Facility type:	WELL	Facility s:	PR
Operator name:	31257		
Well num:	4	Well name:	B C HOPKINS 42-19 (1-67)
Field code:	77900		
Dist n s:	1980		
Dir n s:	N		
Dist e w:	660		
Dir e w:	E	Qtrqtr:	SENE
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.038355		
Ground ele:	5157		
Utm x:	506298		
Utm y:	4432017		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	FRITZLER RESOURCES INC	Api seq nu:	08769
Api county:	123		
Location id:	318255		
Loc name n:	B C HOPKINS 42-19 (1-67)-61N67W 19SENE		
Site id:	COOG10000041769	Symbol :	LO_XX
Lon:	-104.926173		
Range :	67W		

**53**  
**South**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000043096**

Link fld:	12310099	Attrib 1:	05-123-10099
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	3 RICHARD R FINDLAY
Sdf key:	12310099&TYPE=WELL		
Facility id:	242308		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	3	Well name:	RICHARD R FINDLAY
Field code:	77900		
Dist n s:	660		
Dir n s:	N		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	1850	Qtrqtr:	NWNE
Dir e w:	E	Twp:	1N
Sec:	31		
Meridian:	6		
Lat:	40.01291		
Ground ele:	5053		
Utm x:	505944		
Utm y:	4429192		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	10099
Api county:	123		
Location id:	318849		
Loc name n:	RICHARD R FINDLAY-61N67W 31NWNE		
Site id:	COOG10000043096	Symbol :	LO_XX
Lon:	-104.93035		
Range :	67W		

**54**  
**South**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000042951**

Link fld:	12309954	Attrib 1:	05-123-09954
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	1 RICHARD R FINDLAY
Sdf key:	12309954&TYPE=WELL		
Facility id:	242163		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	1	Well name:	RICHARD R FINDLAY
Field code:	77900		
Dist n s:	660		
Dir n s:	N		
Dist e w:	660		
Dir e w:	E	Qtrqtr:	NENE
Sec:	31	Twp:	1N
Meridian:	6		
Lat:	40.01298		
Ground ele:	5040		
Utm x:	506301		
Utm y:	4429200		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09954
Api county:	123		
Location id:	318787		
Loc name n:	RICHARD R FINDLAY-61N67W 31NENE		
Site id:	COOG10000042951	Symbol :	LO_XX
Lon:	-104.92617		
Range :	67W		

**55**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000041006**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12308006	Attrib 1:	05-123-08006
Attrib 2:	UNITED STATES EXPLORATION AND PRODUCTION	Attrib 3:	2 ZARLENGO 31-29 (1-67)
Sdf key:	12308006&TYPE=WELL		
Facility id:	240218		
Facility type:	WELL	Facility s:	PA
Operator name:	91755		
Well num:	2	Well name:	ZARLENGO 31-29 (1-67)
Field code:	77900		
Dist n s:	660		
Dir n s:	N		
Dist e w:	1980		
Dir e w:	E	Qtrqtr:	NWNE
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.027438		
Ground ele:	5063		
Utm x:	507508		
Utm y:	4430806		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	UNITED STATES EXPLORATION AND PRODUCTION	Api seq nu:	08006
Api county:	123		
Location id:	406207		
Loc name n:	ZARLENGO 31-29 (1-67)-61N67W 29NWNE		
Site id:	COOG10000041006	Symbol :	LO_XX
Lon:	-104.912013		
Range :	67W		

**56  
SE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000042197**

Link fld:	12309198	Attrib 1:	05-123-09198
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	5 UPRR 43 PAN AM G
Sdf key:	12309198&TYPE=WELL		
Facility id:	241409		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	5	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	800		
Dir n s:	S		
Dist e w:	2120		
Dir e w:	W	Qtrqtr:	SESW
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.01701		
Ground ele:	5030		
Utm x:	507154		
Utm y:	4429649		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	09198
Api county:	123		
Location id:	318496		
Loc name n:	UPRR 43 PAN AM G-61N67W 29SESW		
Site id:	COOG10000042197	Symbol :	LO_XX
Lon:	-104.91617		
Range :	67W		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**57**

**East**  
**1/2 - 1 Mile**

**OIL\_GAS COOG10000041714**

Link fld:	12308714	Attrib 1:	05-123-08714
Attrib 2:	ANADARKO E&P ONSHORE LLO	Attrib 3:	3 ZARLENGO 32-29 (1-67)
Sdf key:	12308714&TYPE=WELL		
Facility id:	240926		
Facility type:	WELL	Facility s:	PA
Operator name:	2800		
Well num:	3	Well name:	ZARLENGO 32-29 (1-67)
Field code:	77900		
Dist n s:	1980		
Dir n s:	N		
Dist e w:	1980		
Dir e w:	E	Qtrqtr:	SWNE
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.023808		
Ground ele:	5046		
Utm x:	507509		
Utm y:	4430403		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	ANADARKO E&P ONSHORE LLO	Api seq nu:	08714
Api county:	123		
Location id:	406544		
Loc name n:	ZARLENGO 32-29 (1-67)-61N67W 29SWNE		
Site id:	COOG10000041714	Symbol :	LO_XX
Lon:	-104.912003		
Range :	67W		

**58**

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

**OIL\_GAS COOG10000041382**

Link fld:	12308382	Attrib 1:	05-123-08382
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	1 PAUL HEINZE
Sdf key:	12308382&TYPE=WELL		
Facility id:	240594		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	1	Well name:	PAUL HEINZE
Field code:	77900		
Dist n s:	2130		
Dir n s:	S		
Dist e w:	1980		
Dir e w:	W	Qtrqtr:	NESW
Sec:	20	Twp:	1N
Meridian:	6		
Lat:	40.03525		
Ground ele:	5095		
Utm x:	507089		
Utm y:	4431673		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08382

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 318092  
 Loc name n: PAUL HEINZE-61N67W 20NESW  
 Site id: COOG10000041382      Symbol : LO\_XX  
 Lon: -104.916914  
 Range : 67W

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**59**  
**WSW**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000073867**

Link fld:	12327360	Attrib 1:	05-123-27360
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 2:	9-25 KIRKMEYER
Sdf key:	12327360&TYPE=WELL		
Facility id:	287024		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	9-25	Well name:	KIRKMEYER
Field code:	90750		
Dist n s:	2130		
Dir n s:	S		
Dist e w:	660		
Dir e w:	E	Qtrqtr:	NESE
Sec:	25	Twp:	1N
Meridian:	6		
Lat:	40.02074		
Ground ele:	5115		
Utm x:	504698		
Utm y:	4430061		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Qtr Sec Pru:	27360
Api county:	123		
Location id:	302213		
Loc name n:	KIRKMEYER-61N68W 25NESE		
Site id:	COOG10000073867	Symbol :	LO_XX
Lon:	-104.94494		
Range :	68W		

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**60**  
**NNW**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000041792**

Link fld:	12308792	Attrib 1:	05-123-08792
Attrib 2:	AMOCO PRODUCTION CO.	Attrib 3:	7 UPRR 43 PAN AM H
Sdf key:	12308792&TYPE=WELL		
Facility id:	241004		
Facility type:	WELL	Facility s:	PA
Operator name:	2500		
Well num:	7	Well name:	UPRR 43 PAN AM H
Field code:	77900		
Dist n s:	2060		
Dir n s:	N		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	1960	Qtrqtr:	SENW
Dir e w:	W	Twp:	1N
Sec:	19		
Meridian:	6		
Lat:	40.038178		
Ground ele:	5142		
Utm x:	505501		
Utm y:	4431997		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	AMOCO PRODUCTION CO.	Api seq nu:	08792
Api county:	123		
Location id:	406574		
Loc name n:	UPRR 43 PAN AM H-61N67W 19SENW		
Site id:	COOG10000041792	Symbol :	LO_XX
Lon:	-104.935524		
Range :	67W		

**61**  
**West**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000047368**

Link fld:	12314378	Attrib 1:	05-123-14378
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 2:	1 UPRR 43 PAN AM Y
Sdf key:	12314378&TYPE=WELL		
Facility id:	246581		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	UPRR 43 PAN AM Y
Field code:	90750		
Dist n s:	1020		
Dir n s:	N		
Dist e w:	1070		
Dir e w:	E	Qtrqtr:	NENE
Sec:	25	Twp:	1N
Meridian:	6		
Lat:	40.02666		
Ground ele:	5139		
Utm x:	504575		
Utm y:	4430718		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Field nu:	14378
Api county:	123		
Location id:	327242		
Loc name n:	UPRR 43 PAN AM Y-61N68W 25NENE		
Site id:	COOG10000047368	Symbol :	LO_XX
Lon:	-104.94638		
Range :	68W		

**62**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS      COOG10000042157**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Link fld:	12309158	Attrib 1:	05-123-09158
Attrib 2:	KERR MCGEE OIL & GAS ONSHORE	Attrib 3:	1 UPRR 43 PAN AM GAS UNIT J
Sdf key:	12309158&TYPE=WELL		
Facility id:	241369		
Facility type:	WELL	Facility s:	PR
Operator name:	47120		
Well num:	1	Well name:	UPRR 43 PAN AM GAS UNIT J
Field code:	90750		
Dist n s:	1650		
Dir n s:	N		
Dist e w:	1650		
Dir e w:	E	Qtrqtr:	SWNE
Sec:	19	Twp:	1N
Meridian:	6		
Lat:	40.039363		
Ground ele:	5165		
Utm x:	506081		
Utm y:	4432129		
Locqual:	ACTUAL LatLong	Field name:	WATTENBERG
Name:	KERR MCGEE OIL & GAS ONSHORE	Api seq nu:	09158
Api county:	123		
Location id:	318476		
Loc name n:	UPRR 43 PAN AM GAS UNIT J-61N67W 19SWNE		
Site id:	COOG10000042157	Symbol :	LO_XX
Lon:	-104.92872		
Range :	67W		

**63**  
**WNW**  
**1/2 - 1 Mile**

		<b>OIL_GAS</b>	<b>COOG10000072763</b>
Link fld:	12324046	Attrib 1:	05-123-24046
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	16-24 YING LO
Sdf key:	12324046&TYPE=WELL		
Facility id:	285833		
Facility type:	WELL	Facility s:	AL
Operator name:	46290		
Well num:	16-24	Well name:	YING LO
Field code:	77900		
Dist n s:	663		
Dir n s:	S		
Dist e w:	659		
Dir e w:	E	Qtrqtr:	SESE
Sec:	24	Twp:	1N
Meridian:	6		
Lat:	40.03125		
Ground ele:	5140		
Utm x:	504699		
Utm y:	4431227		
Locqual:	PLANNED LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	24046
Api county:	123		
Location id:	306140		
Loc name n:	YING LO-61N68W 24SESE		
Site id:	COOG10000072763	Symbol :	LO_XX
Lon:	-104.94492		
Range :	68W		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**64**  
**SSW**  
**1/2 - 1 Mile**

OIL\_GAS COOG10000055912

Link fld:	12319988	Attrib 1:	05-123-19988
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	3-31 BARBARA JEAN
Sdf key:	12319988&TYPE=WELL		
Facility id:	257527		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	3-31	Well name:	BARBARA JEAN
Field code:	77900		
Dist n s:	600		
Dir n s:	N		
Dist e w:	1800		
Dir e w:	W	Qtrqtr:	NENW
Sec:	31	Twp:	1N
Meridian:	6		
Lat:	40.01331		
Ground ele:	5075		
Utm x:	505441		
Utm y:	4429236		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	19988
Api county:	123		
Location id:	330986		
Loc name n:	BARBARA JEAN-61N67W 31NENW		
Site id:	COOG10000055912	Symbol :	LO_XX
Lon:	-104.93624		
Range :	67W		

**65**  
**SSE**  
**1/2 - 1 Mile**

OIL\_GAS COOG10000040963

Link fld:	12307963	Attrib 1:	05-123-07963
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	1 JACOBUCCI
Sdf key:	12307963&TYPE=WELL		
Facility id:	240175		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	1	Well name:	JACOBUCCI
Field code:	77900		
Dist n s:	660		
Dir n s:	N		
Dist e w:	660		
Dir e w:	W	Qtrqtr:	NWNW
Sec:	32	Twp:	1N
Meridian:	6		
Lat:	40.01315		
Ground ele:	5024		
Utm x:	506705		
Utm y:	4429220		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	07963

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api county: 123  
 Location id: 317917  
 Loc name n: JACOBUCCI-61N67W 32NWNW  
 Site id: COOG10000040963      Symbol : LO\_XX  
 Lon: -104.92144  
 Range : 67W

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**66  
ESE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041673**

Link fld:	12308673	Attrib 1:	05-123-08673
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	4 UPRR 43 PAN AM G
Sdf key:	12308673&TYPE=WELL		
Facility id:	240885		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	4	Well name:	UPRR 43 PAN AM G
Field code:	77900		
Dist n s:	1880		
Dir n s:	S		
Dist e w:	2070		
Dir e w:	E	Qtrqtr:	NWSE
Sec:	29	Twp:	1N
Meridian:	6		
Lat:	40.02009		
Ground ele:	5029		
Utm x:	507479		
Utm y:	4429991		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08673
Api county:	123		
Location id:	318211		
Loc name n:	UPRR 43 PAN AM G-61N67W 29NWSE		
Site id:	COOG10000041673	Symbol :	LO_XX
Lon:	-104.91236		
Range :	67W		

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**67  
NNE  
1/2 - 1 Mile**

**OIL\_GAS      COOG10000041274**

Link fld:	12308274	Attrib 1:	05-123-08274
Attrib 2:	K P KAUFFMAN COMPANY INC	Attrib 3:	1 BLANCHE C HOPKINS
Sdf key:	12308274&TYPE=WELL		
Facility id:	240486		
Facility type:	WELL	Facility s:	PR
Operator name:	46290		
Well num:	1	Well name:	BLANCHE C HOPKINS
Field code:	77900		
Dist n s:	1980		
Dir n s:	N		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dist e w:	660	Qtrqtr:	SWNW
Dir e w:	W	Twp:	1N
Sec:	20		
Meridian:	6		
Lat:	40.03842		
Ground ele:	5135		
Utm x:	506685		
Utm y:	4432024		
Locqual:	ACTUAL LatLong	Field name:	SPINDLE
Name:	K P KAUFFMAN COMPANY INC	Api seq nu:	08274
Api county:	123		
Location id:	318043		
Loc name n:	BLANCHE C HOPKINS-61N67W 20SWNW		
Site id:	COOG10000041274	Symbol :	LO_XX
Lon:	-104.92164		
Range :	67W		

**68**  
**ENE**  
**1/2 - 1 Mile**

**OIL\_GAS**

**COOG10000041313**

Link fld:	12308313	Attrib 1:	05-123-08313
Attrib 2:	DENVER EAST MACHINERY COMPANY		2 HEINZE
Sdf key:	12308313&TYPE=WELL		
Facility id:	240525		
Facility type:	WELL	Facility s:	PA
Operator name:	24040		
Well num:	2	Well name:	HEINZE
Field code:	77900		
Dist n s:	660		
Dir n s:	S		
Dist e w:	1957		
Dir e w:	E	Qtrqtr:	SWSE
Sec:	20	Twp:	1N
Meridian:	6		
Lat:	40.031058		
Ground ele:	5073		
Utm x:	507512		
Utm y:	4431208		
Locqual:	Planned Footage	Field name:	SPINDLE
Name:	DENVER EAST MACHINERY COMPANY	Api seq nu:	08313
Api county:	123		
Location id:	406365		
Loc name n:	HEINZE-61N67W 20SWSE		
Site id:	COOG10000041313	Symbol :	LO_XX
Lon:	-104.911953		
Range :	67W		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for WELD County: 1

- 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 WELD COUNTY, CO

Number of sites tested: 38

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.060 pCi/L	90%	10%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.824 pCi/L	61%	39%	0%

# 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.

### State Wetlands Data: Riparian Vegetation Data

Source: Division of Wildlife

Telephone: 970-416-3360

## 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

#### Colorado GIS Well Database

Source: Office of State Engineer, Division of Water Resources

Telephone: 303-866-3581

The GIS Well database includes all wells that the Division of Water Resources permits.

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Locations

Source: Department of Natural Resources

Telephone: 303-894-2100

### RADON

#### State Database: CO Radon

Source: Department of Public Health & Environment

Telephone: 303-692-3090

Radon Study in Colorado

#### 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.

### 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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**APPENDIX D.  
INTERVIEW, REGULATORY AGENCY DOCUMENTATION, AND PROVIDED DOCUMENTS**

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USER QUESTIONNAIRE

Site Name: SWC of WCR 6 and WCR 15  
Completed By: Lance Fondren Date: 4/17/17  
Signature: [Handwritten Signature]

The following are a series of questions from ASTM 1527-13 that must be answered in order to qualify for LLPs under CERCLA. Please provide an answer to each question or attach pertinent information and identify a number for each attachment.

(1.) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

No       Yes (Describe or attach information)      Attachment No. \_\_\_\_\_

\_\_\_\_\_

(2.) Are you aware of any Activity and Use Limitations (AULs), such as engineering controls (e.g. engineered caps, foundations, liners, treatment methods, etc. in use to prevent contamination from migrating to surrounding areas), land use restrictions or institutional controls (e.g. administrative measures restricting groundwater use, construction, or property use) that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

No       Yes (Describe or attach information)      Attachment No. \_\_\_\_\_

\_\_\_\_\_

(3.) 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       Yes (Describe or attach information)      Attachment No. \_\_\_\_\_

\_\_\_\_\_

(4.) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

No  Yes (Describe or attach information) Attachment No. \_\_\_\_\_

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?

No  Yes (Describe or attach information) Attachment No. \_\_\_\_\_

n/a

(5.) 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 User,

(a.) Do you know the past uses of the property?  No  Yes (Describe or attach information) Attachment No. \_\_\_\_\_

Agriculture and oil and gas

(b.) Do you know of specific chemicals that are present or once were present at the property?  No  Yes (Describe or attach information) Attachment No. \_\_\_\_\_

(c.) Do you know of spills or other chemical releases that have taken place at the property?  No  Yes (Describe or attach information) Attachment No. \_\_\_\_\_

(d.) Do you know of any environmental cleanups that have taken place at the property?  No  Yes (Describe or attach information) Attachment No. \_\_\_\_\_

(6.) As the User of the ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

No     Yes (Describe or attach information)

Attachment No. \_\_\_\_\_

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**QUESTIONNAIRE**  
**PHASE I ENVIRONMENTAL SITE ASSESSMENT**  
Compatible with ASTM Standard E 1527-13

Site Location: SWC of WCR 6 and WCR15, Weld County, CO \_\_\_\_\_

Date: April 27, 2017 \_\_\_\_\_

Interviewer: \_\_\_\_\_

Interviewee: \_\_\_\_\_

Site Association: Owner \_\_\_\_\_

Years Associated With the Site: Over 30 years \_\_\_\_\_

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Please answer the following questions to the best of your knowledge.

1. Was the property or adjoining property ever used for industrial purposes (e.g. manufacturing) or as a gas station, dry cleaners, waste treatment, processing facility, motor repair facility, photo lab, commercial printing facility, junkyard/disposal/recycling/ landfill? If yes, please list the activity, hazardous substances used, and approximate dates when the activity occurred.

**No, not to our knowledge**

Prior land use, hazardous substances used, and dates:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Prior owners, key site managers/operators, occupants and dates:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Existing or prior structures used for what purposes and duration:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Do any of the following documents exist for the site or any portion of the site? If so, can you provide Kleinfelder with a copy?

**No, Not to our knowledge.**

- Environmental site assessment reports
- Environmental compliance audit reports
- Environmental permits
- Underground Storage Tank registration
- Underground Injection System registration
- Material Safety Data Sheets
- Community Right-To-Know Plan
- Safety plans: preparedness and prevention plans; spill prevention; countermeasure; and control plans, etc.
- Reports regarding hydrogeologic conditions on the property or surrounding area;
- Correspondence from any government agency relating to past or current violations of environmental laws with regard to the property or relating to environmental liens encumbering the property
- Hazardous waste generator notices or reports
- Geotechnical studies
- Risk assessments
- Recorded Activity and Use Limitations (AULs)

3. Have you ever observed evidence of or do you have prior knowledge of any of the following items being used, stored, discarded, dumped above grade, buried, or burned onsite? Circle all that apply and indicate amount and approximate dates.

MATERIAL	QUANTITY	DATE(S) OBSERVED	COMMENTS
Above ground storage tank (AST)*	2	4/22/2017	Size:300 Gallons Contents:Oil Condition:Good
Automotive batteries			
Industrial batteries			
Pesticides (>5 gallon)			
Paints (> 5 gallon)			
Chemicals/Hazardous Substances (> 5 gallon liquid)			

MATERIAL	QUANTITY	DATE(S) OBSERVED	COMMENTS
Chemicals/Hazardous Substances (dry sacks, containers, etc.)			
Industrial drums (typically 55 gallons)			Contents: Condition:
Transformer or other equipment that may contain PCBs (e.g. hydraulic equipment)*			Installation date:
Underground storage tank*			Size: Contents: Condition:
Unknown materials you suspect may be hazardous substances			Describe:

\*Please provide records if available.

4. What method(s) is used to contain spills of hazardous waste?

**Not Applicable** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

5. What method(s) is used to dispose of hazardous waste?

**Not Applicable** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

6. Are there any permits for handling, use, storage, or disposal of hazardous waste?

**Not Applicable** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

7. Have you observed evidence of or have prior knowledge of the following onsite?

**No, Not to our knowledge.**

MATERIAL	QUANTITY	DATE(S) OBSERVED	COMMENTS
Equipment Maintenance Areas			
Accidental spills or releases of chemicals or petroleum products			

MATERIAL	QUANTITY	DATE(S) OBSERVED	COMMENTS
Possible asbestos containing materials (e.g. pipe, building, etc.)			Describe material:
Fill dirt originating from an unknown or contaminated site?			Source:
Pits, ponds, or lagoons associated with waste treatment or waste disposal?			Location:
Stained soil or odiferous soil? (e.g. oily black)			Location:
Sumps or dry wells*			Size : Contents : Condition :
Vent pipes, fill pipes, access ways to a fill pipe protruding from the ground or adjacent to a structure onsite?			Location:
Heating and cooling systems (include fuel source)			Source:
Flooring, drains, walls that are stained or emitting a foul odor (do NOT include water damage)?			Location:

\*Please provide records, if available.

8. Is the property served by a private well or non-public water system? If so, please answer the following:

**No.**

- a. Was the well used for domestic (D), agricultural irrigation (I), or monitoring (M) purposes? Are the wells currently operational and if not, when were they last used? When was the well drilled? How deep is the well? What is the approximate discharge rate?

Well No.	Type	Operating?	Last Used	Date Drilled	Depth	Discharge Rate	Location
1-							
2-							

- b. Have the wells been sampled for contaminants that exceed applicable requirements for the designated use (e.g. Drinking Water Standards)? If so, please provide the dates and copies of well records.
- c. Has the well or water system been designated by any governmental environmental/health agency as contaminated?

9. Is there an oil/gas well or oil/gas vent located onsite? If so, please indicate the location. Please supply any documents available.

**No, Not to our knowledge.** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

10. Is the property or has the property to your knowledge been previously served by a septic system? If so, please indicate the location of the tank and leach lines (if applicable) and list any hazardous materials disposed.

**No, Not to our knowledge.** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

11. Does the property discharge waste water into a storm water sewer system or a sanitary sewer system onto or adjacent to the property? If so, please describe location, piping flow, quantity discharged, and water quality.

**No, Not to our knowledge.** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

12. Do you have knowledge of the following with respect to the property? Circle and explain all that apply.

**No, we do not have knowledge.**

- a. Environmental clean-up, ongoing or pending.
- b. Environmental liens
- c. Governmental notifications regarding any possible past or present violations of environmental laws.
- d. Past, threatened, pending lawsuits or administrative proceedings relevant to a release of a hazardous substance or petroleum product, in, on, or from the property.

- e. Prior environmental assessment that indicated the presence of hazardous substances, petroleum hydrocarbons, contaminants, or recommended further assessment.
- f. Deed Restrictions
- g. Citizen complaints regarding activities onsite

**AGRICULTURAL SITES:**

13. What crops have been grown onsite, currently and in the past?

CROP	DATE	LOCATION
Wheat	Rotated Yearly	All but 14 acres on NW side of property.
Corn or Barley	Rotated Yearly	14 acres of NW side of property.

**If crops are present or have been grown, please answer questions 14 through 16 below:**

14. Have pesticides been applied to fields or other portions of the site? If so, please answer the following questions:

- a. List the names of pesticides (includes herbicides, fungicides, insecticides, rodenticide) used and dates applied.

PESTICIDE AND BRAND NAME	DATE	CROP OR ANIMAL USE
Roundup with Gunsmoke as an activator	5/13/16, 6/6/16, 6/17/16, 6/29/16	
Monsoon	6/28/16, 6/29/16	

b. Have you been notified of any violation of environmental law with respect to application or storage of pesticides?

**No, Not to our knowledge.**

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c. Location of pesticide mixing areas, if any (past or present)?

**Offsite**

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d. Method of pesticide application?

**Spray.**

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15. Have fertilizers been applied to the site? What type and method of application?

**No, Not to our knowledge.**

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16. Are there any buried pipelines for irrigation or other purposes onsite? If so, what materials is the piping constructed of? Is there asbestos-containing material, PVC, etc.? Describe the location of buried piping.

**No, Not to our knowledge.**

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**APPENDIX E.  
HISTORICAL RESEARCH DOCUMENTATION**

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SW Wattenberg CF  
Weld County Road 6  
Brighton, CO 80603

Inquiry Number: 4910495.3

April 17, 2017

## 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

04/17/17

**Site Name:**

SW Wattenberg CF  
Weld County Road 6  
Brighton, CO 80603  
EDR Inquiry # 4910495.3

**Client Name:**

Kleinfelder  
1801 California Street, Suite 1100  
Denver, CO 80202  
Contact: Brad Baum



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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 #** BF7B-4702-98FB  
**PO #** 20180224  
**Project** Phase 1 ESA, SW Wattenberg CF

#### 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 #: BF7B-4702-98FB

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

*The Sanborn Library LLC Since 1866™*

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SW Wattenberg CF  
Weld County Road 6  
Brighton, CO 80603

Inquiry Number: 4910495.4

April 17, 2017

# EDR Historical Topo Map Report

with QuadMatch™



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Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

04/17/17

**Site Name:**

SW Wattenberg CF  
Weld County Road 6  
Brighton, CO 80603  
EDR Inquiry # 4910495.4

**Client Name:**

Kleinfelder  
1801 California Street, Suite 1100  
Denver, CO 80202  
Contact: Brad Baum



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Kleinfelder were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	20180224	<b>Latitude:</b>	40.025695 40° 1' 33" North
<b>Project:</b>	Phase 1 ESA, SW Wattenberg	<b>Longitude:</b>	-104.928654 -104° 55' 43" West
		<b>UTM Zone:</b>	Zone 13 North
		<b>UTM X Meters:</b>	506087.79
		<b>UTM Y Meters:</b>	4430611.56
		<b>Elevation:</b>	5087.49' above sea level

**Maps Provided:**

2013  
1994  
1979  
1969  
1950  
1902

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## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **2013 Source Sheets**



Frederick  
2013  
7.5-minute, 24000

### **1994 Source Sheets**



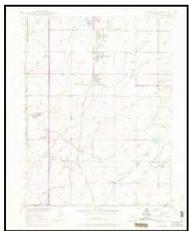
Frederick  
1994  
7.5-minute, 24000  
Aerial Photo Revised 1988

### **1979 Source Sheets**



Frederick  
1979  
7.5-minute, 24000  
Aerial Photo Revised 1978

### **1969 Source Sheets**



Frederick  
1969  
7.5-minute, 24000  
Aerial Photo Revised 1969

## ***Topo Sheet Key***

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1950 Source Sheets**

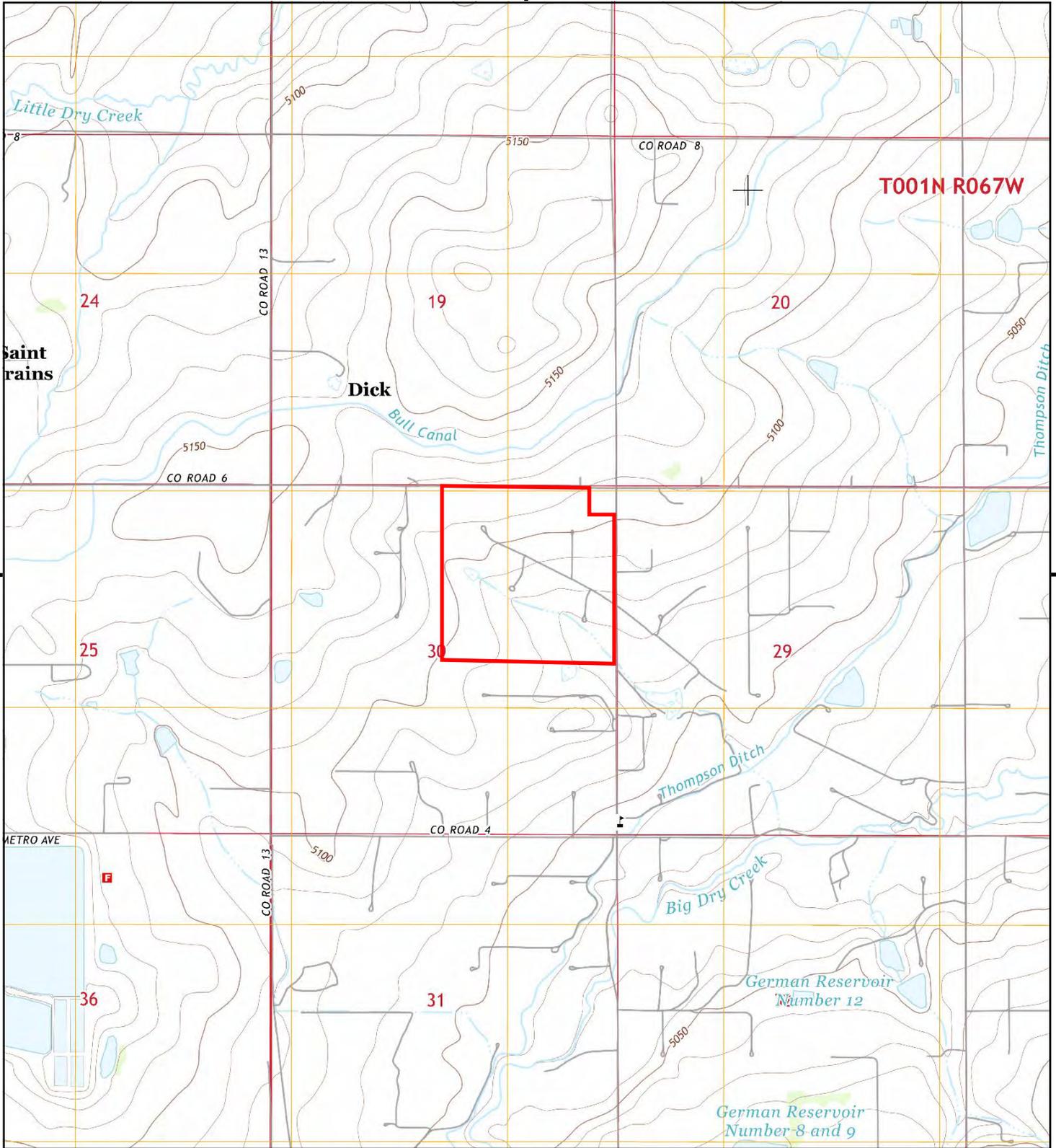


Frederick  
1950  
7.5-minute, 24000

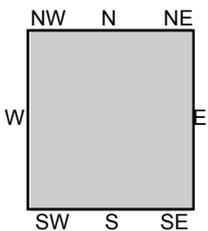
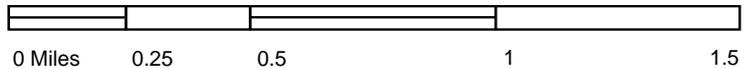
### **1902 Source Sheets**



Greeley  
1902  
30-minute, 125000



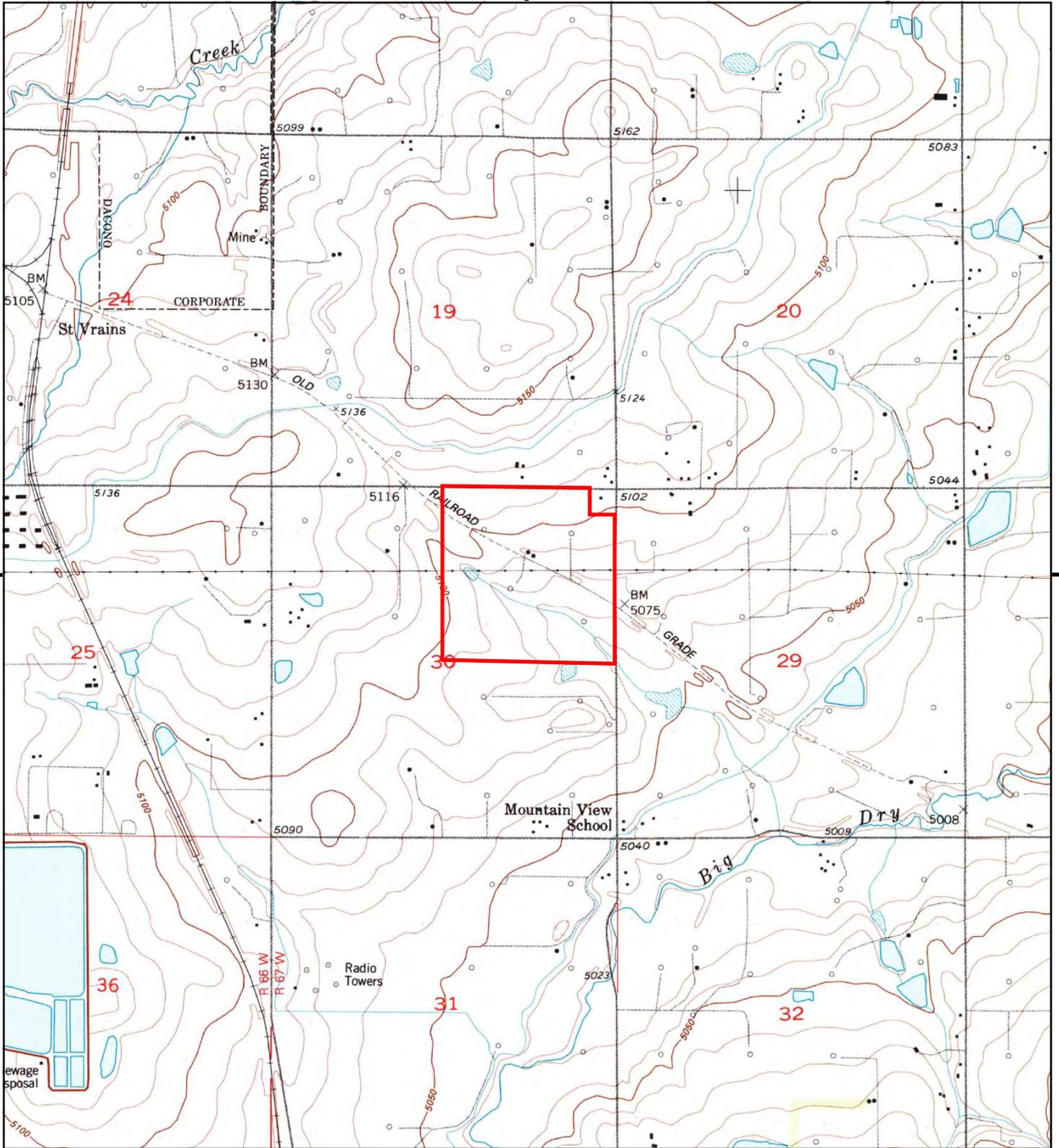
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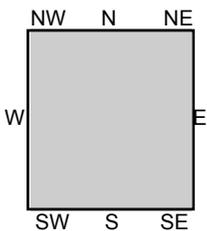
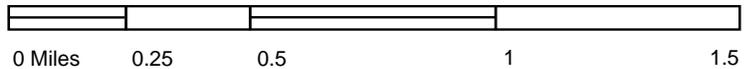
TP, Frederick, 2013, 7.5-minute

SITE NAME: SW Wattenberg CF  
 ADDRESS: Weld County Road 6  
 Brighton, CO 80603  
 CLIENT: Kleinfelder





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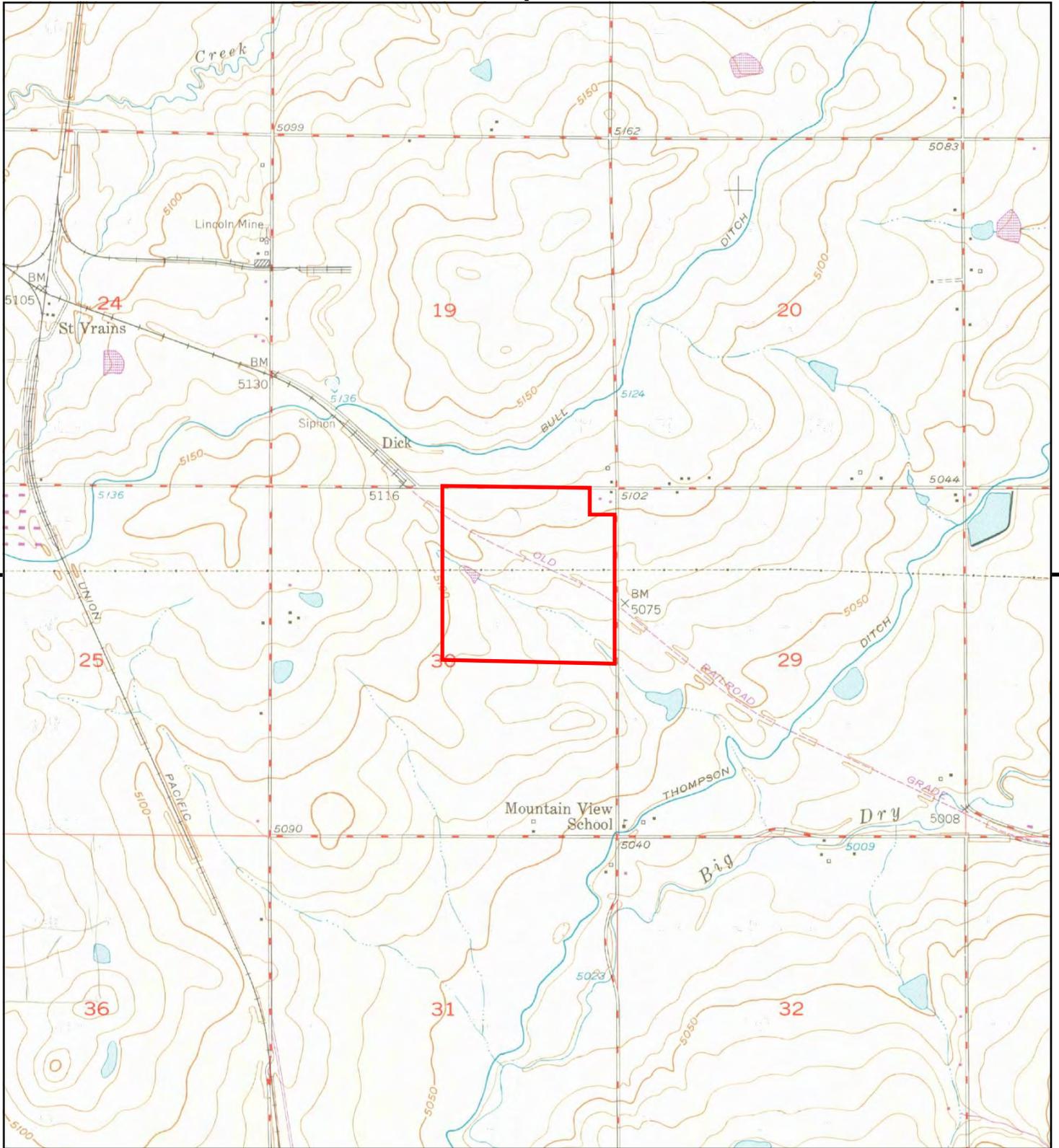


TP, Frederick, 1994, 7.5-minute

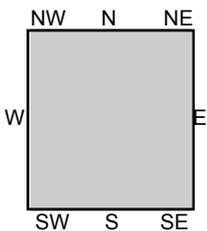
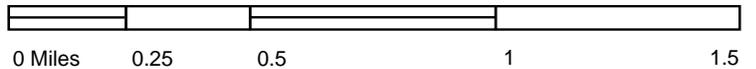
SITE NAME: SW Wattenberg CF  
 ADDRESS: Weld County Road 6  
 Brighton, CO 80603  
 CLIENT: Kleinfelder







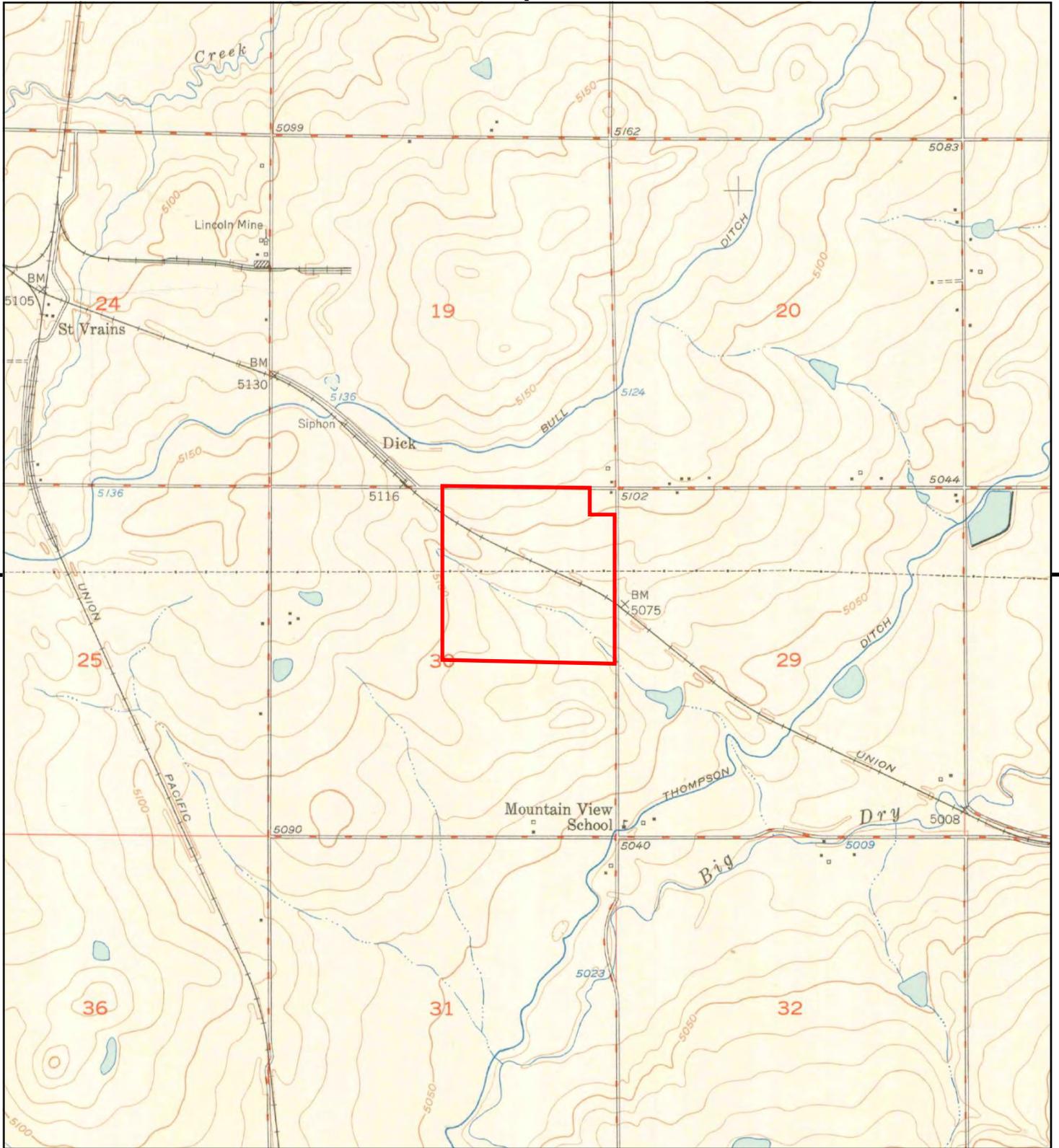
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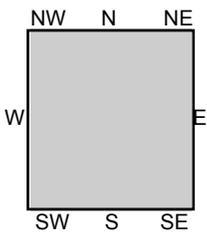
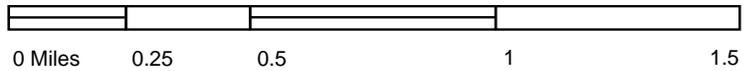
TP, Frederick, 1969, 7.5-minute

**SITE NAME:** SW Wattenberg CF  
**ADDRESS:** Weld County Road 6  
 Brighton, CO 80603  
**CLIENT:** Kleinfelder





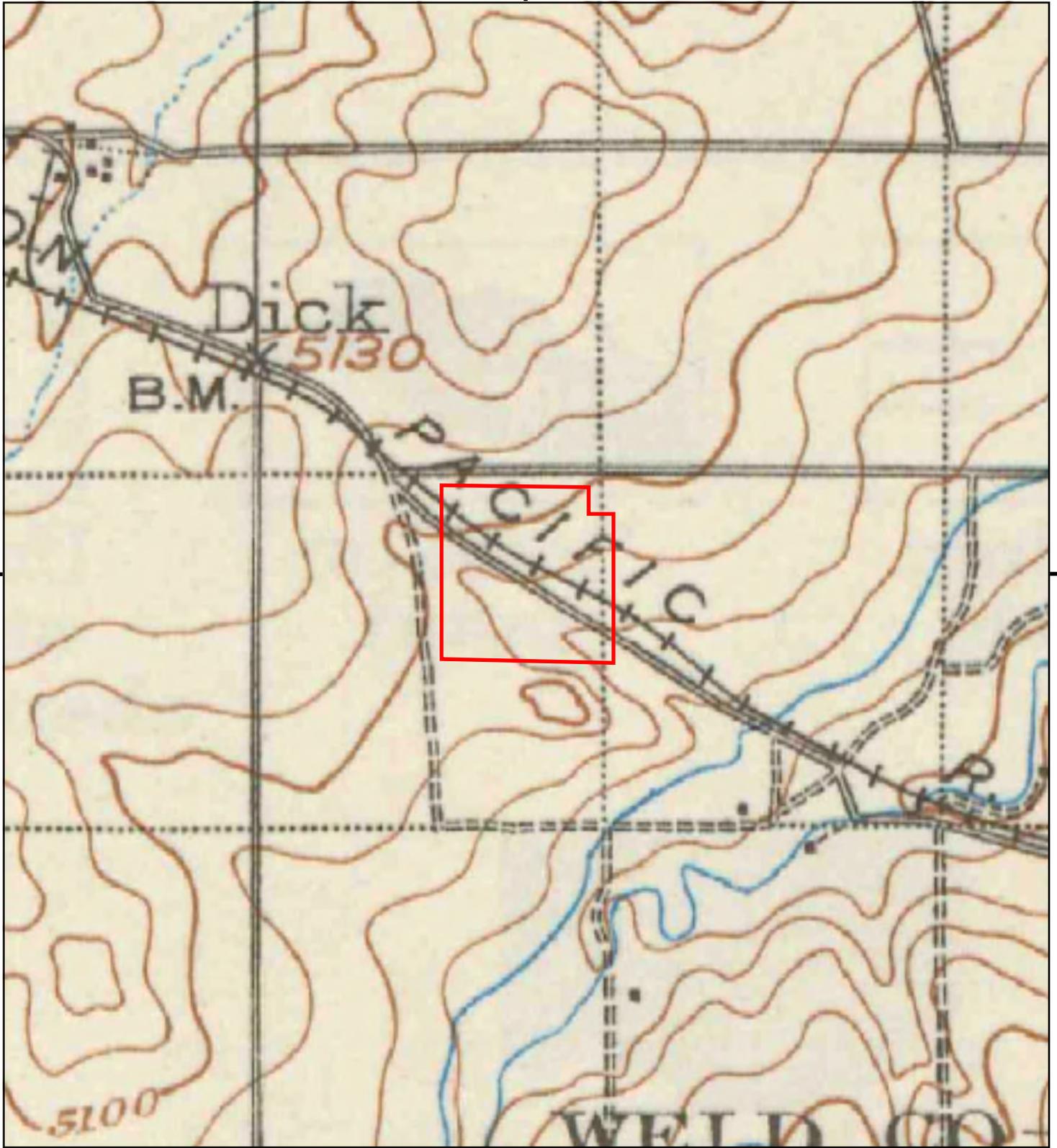
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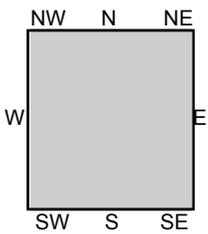
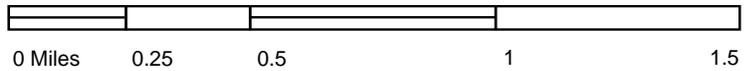
TP, Frederick, 1950, 7.5-minute

**SITE NAME:** SW Wattenberg CF  
**ADDRESS:** Weld County Road 6  
 Brighton, CO 80603  
**CLIENT:** Kleinfelder





This report includes information from the following map sheet(s).



TP, Greeley, 1902, 30-minute

SITE NAME: SW Wattenberg CF  
ADDRESS: Weld County Road 6  
Brighton, CO 80603  
CLIENT: Kleinfelder



# **VAPOR ENCROACHMENT SCREEN**

**Prepared by: Kleinfelder**

**4/19/2017**

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**Executive Summary**

**Primary Map**

**Aerial Photography**

**Map Findings**

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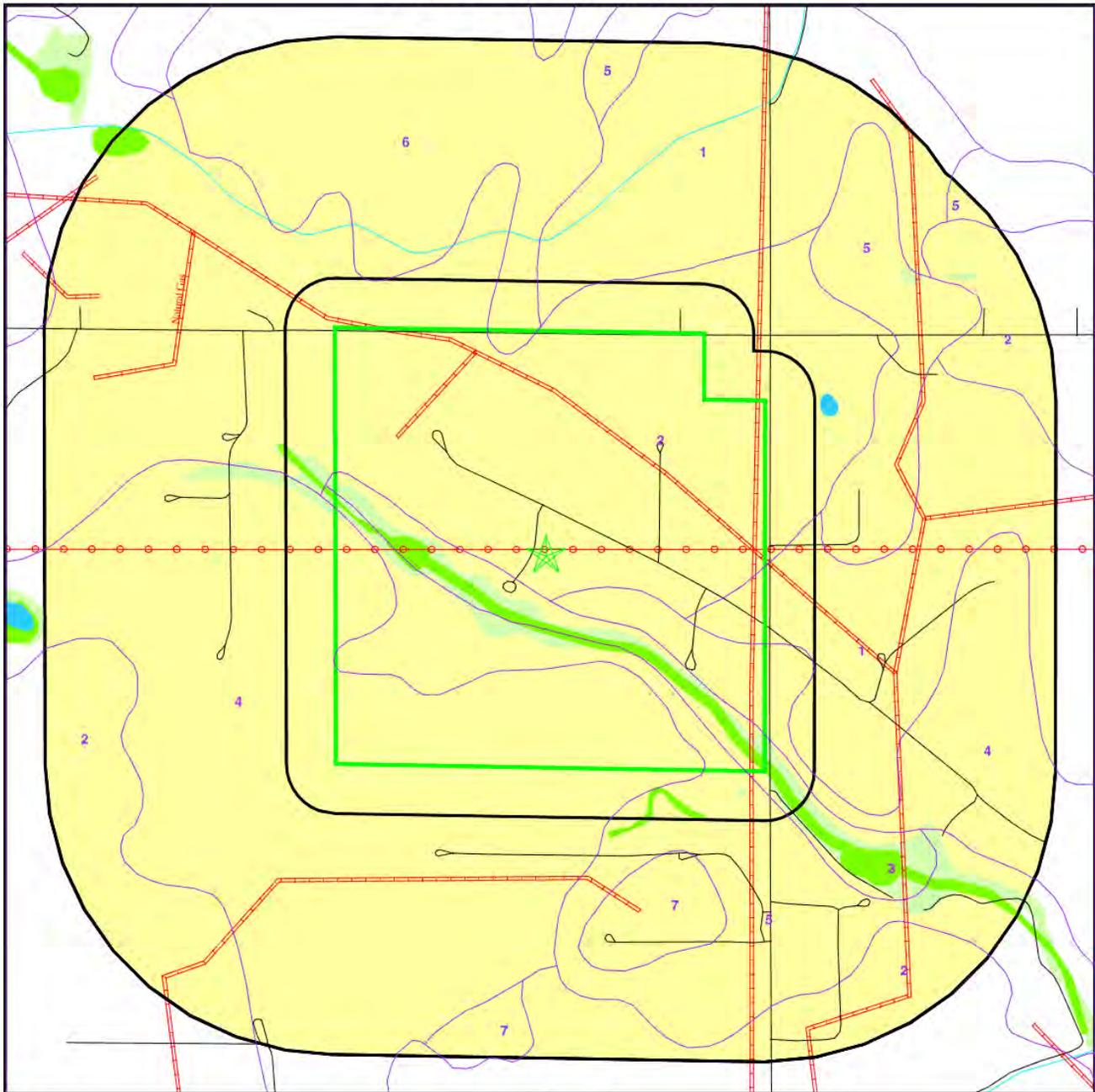
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**EXECUTIVE SUMMARY**

# PRIMARY MAP - 4910495.6S



- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li> Target Property</li> <li> Sites at elevations higher than or equal to the target property</li> <li> Sites at elevations lower than the target property</li> <li> Manufactured Gas Plants</li> <li> Sensitive Receptors</li> <li> National Priority List Sites</li> <li> Dept. Defense Sites</li> </ul> | <ul style="list-style-type: none"> <li> Indian Reservations BIA</li> <li> Power transmission lines</li> <li> Pipelines</li> <li> National Wetland Inventory</li> <li> State Wetlands</li> </ul> | <ul style="list-style-type: none"> <li> Groundwater Flow Direction</li> <li> Indeterminate Groundwater Flow at Location</li> <li> Groundwater Flow Varies at Location</li> <li> SSURGO Soil</li> </ul> |
|--|---|--|

<p>SITE NAME: SW Wattenberg CF          ADDRESS: Weld County Road 6          Brighton CO 80603          LAT/LONG: 40.025695 / 104.928654</p>	<p>CLIENT: Kleinfelder          CONTACT: Brad Baum          INQUIRY #: 4910495.6s          DATE: April 18, 2017 11:27 am</p>
--	--

# AERIAL PHOTOGRAPHY - 4910495.6s



77

SITE NAME: SW Wattenberg CF  
ADDRESS: Weld County Road 6  
Brighton CO 80603  
LAT/LONG: 40.025695 / 104.928654

CLIENT: Kleinfelder  
CONTACT: Brad Baum  
INQUIRY #: 4910495.6s  
DATE: April 18, 2017 11:29 am

**MAP FINDINGS**



SW Wattenberg CF  
Weld County Road 6  
Brighton, CO 80603

Inquiry Number: 4910495.9

April 18, 2017

## The EDR Aerial Photo Decade Package



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

**Site Name:**

SW Wattenberg CF  
 Weld County Road 6  
 Brighton, CO 80603  
 EDR Inquiry # 4910495.9

**Client Name:**

Kleinfelder  
 1801 California Street, Suite 1100  
 Denver, CO 80202  
 Contact: Brad Baum



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Flight Date: September 25, 1994	USGS
1993	1"=500'	Acquisition Date: June 27, 1993	USGS/DOQQ
1991	1"=500'	Flight Date: June 11, 1991	USGS
1988	1"=750'	Flight Date: September 05, 1988	USGS
1984	1"=500'	Flight Date: October 13, 1984	USDA
1978	1"=750'	Flight Date: August 16, 1978	USGS
1970	1"=500'	Flight Date: June 16, 1970	USDA
1969	1"=750'	Flight Date: November 28, 1969	USGS
1966	1"=500'	Flight Date: October 04, 1966	USGS
1949	1"=500'	Flight Date: July 13, 1949	USGS
1941	1"=500'	Flight Date: July 30, 1941	USDA
1937	1"=500'	Flight Date: November 03, 1937	USDA

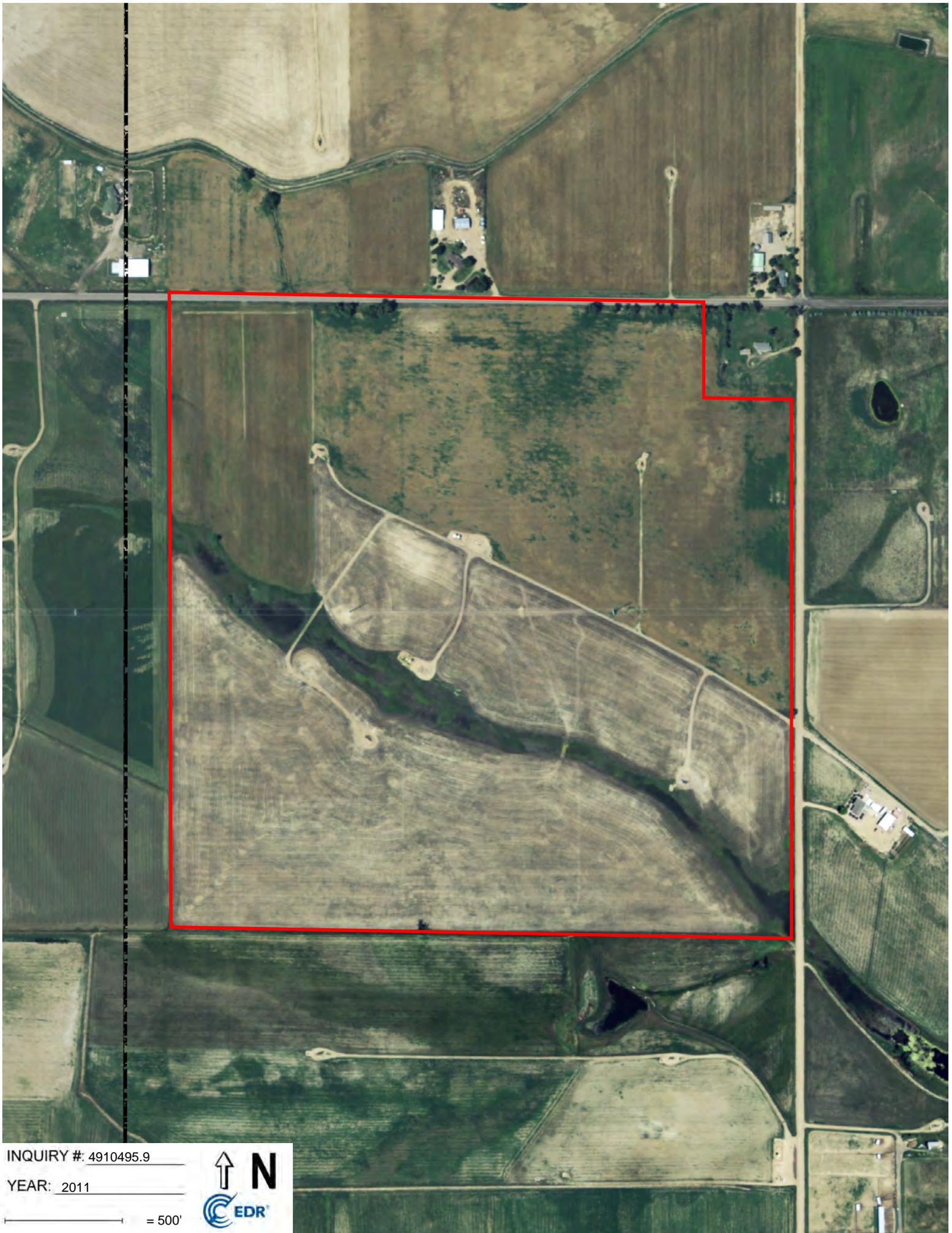
**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

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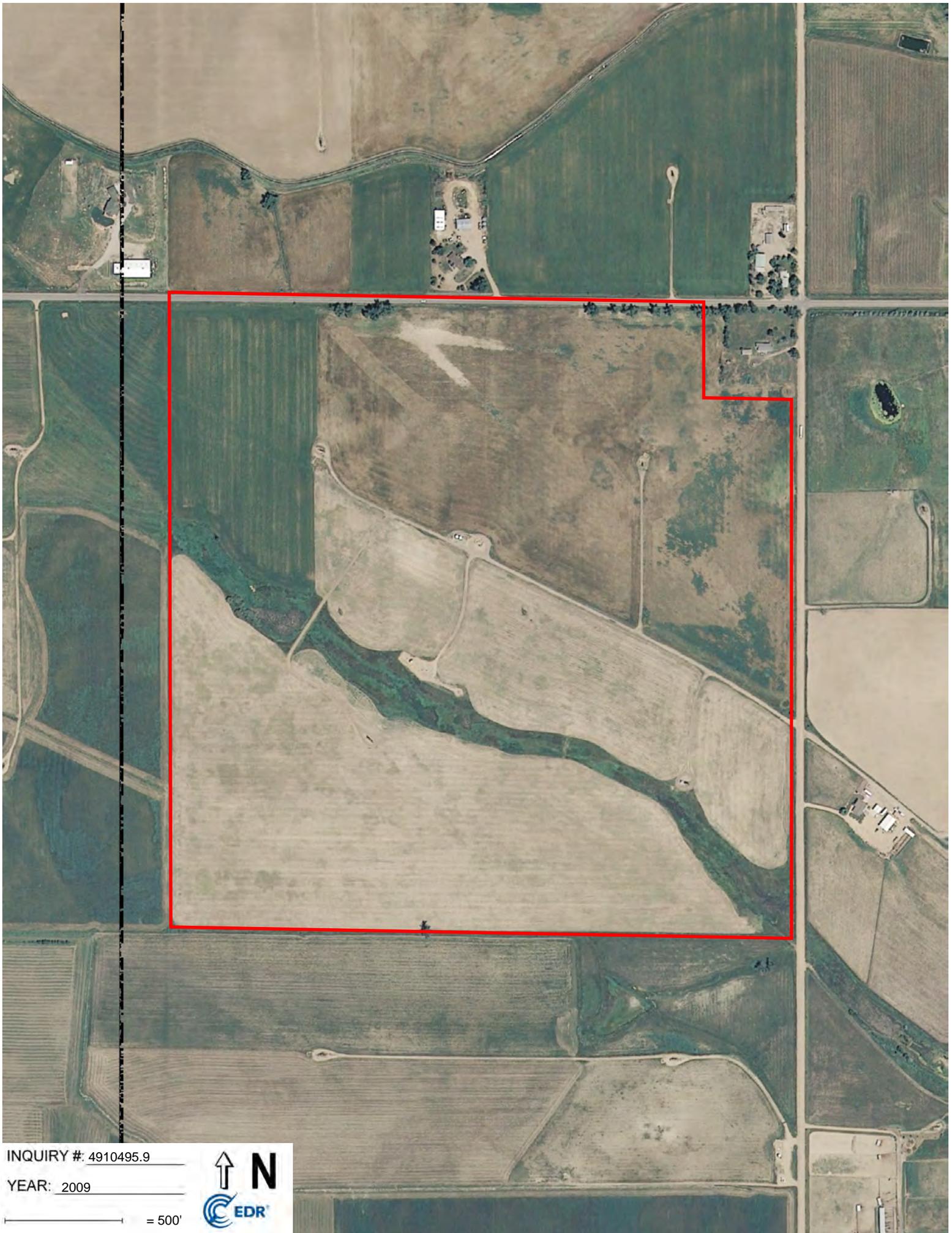


INQUIRY #: 4910495.9

YEAR: 2011

— = 500'



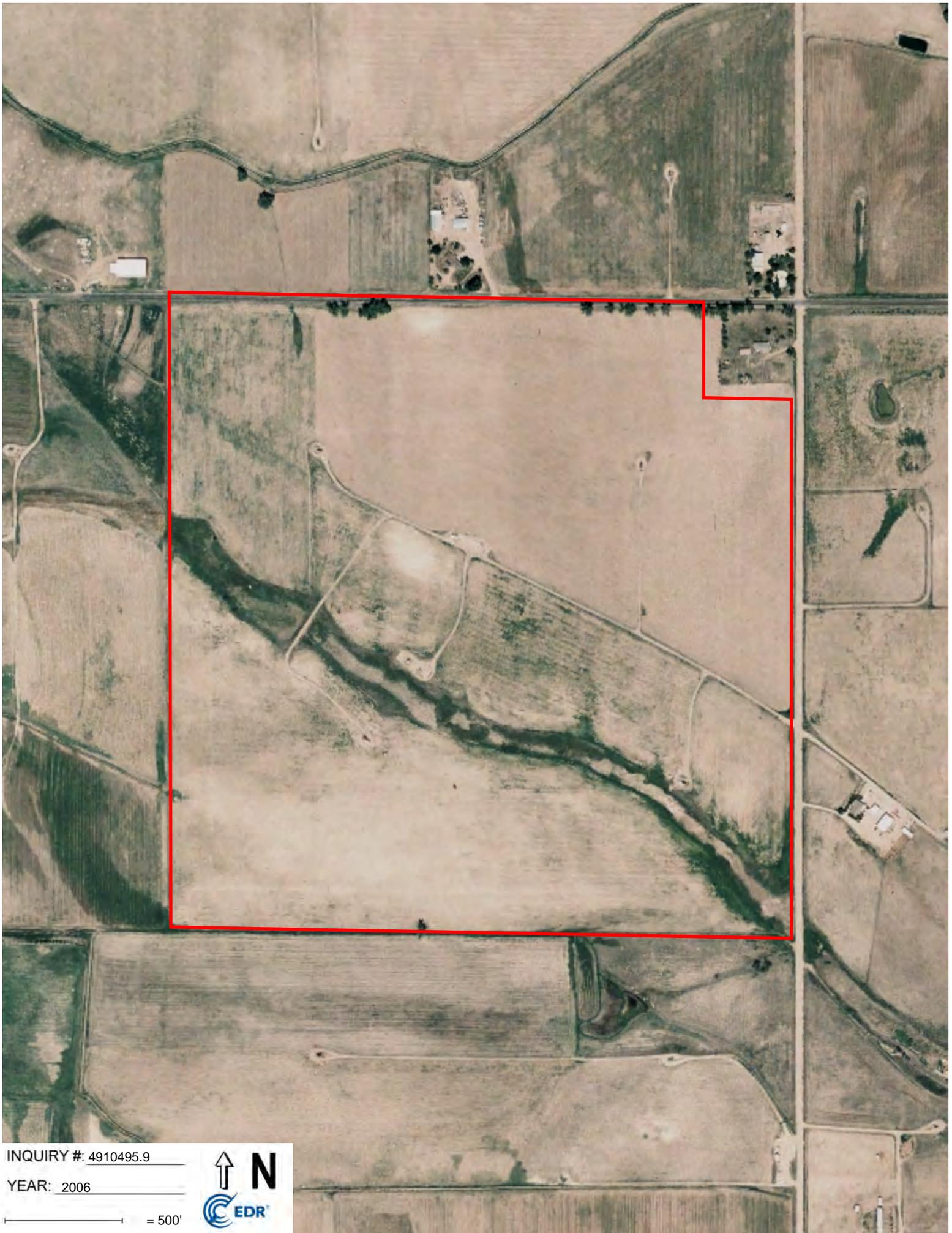


INQUIRY #: 4910495.9

YEAR: 2009

— = 500'





INQUIRY #: 4910495.9

YEAR: 2006

— = 500'





INQUIRY #: 4910495.9

YEAR: 2005

— = 500'





INQUIRY #: 4910495.9

YEAR: 1994

— = 500'





INQUIRY #: 4910495.9

YEAR: 1993

— = 500'



6/11/91

INQUIRY #: 4910495.9

YEAR: 1991

— = 500'





INQUIRY #: 4910495.9

YEAR: 1988

— = 750'





INQUIRY #: 4910495.9

YEAR: 1984

— = 500'





INQUIRY #: 4910495.9

YEAR: 1978

— = 750'





INQUIRY #: 4910495.9

YEAR: 1970

— = 500'



6511CHU

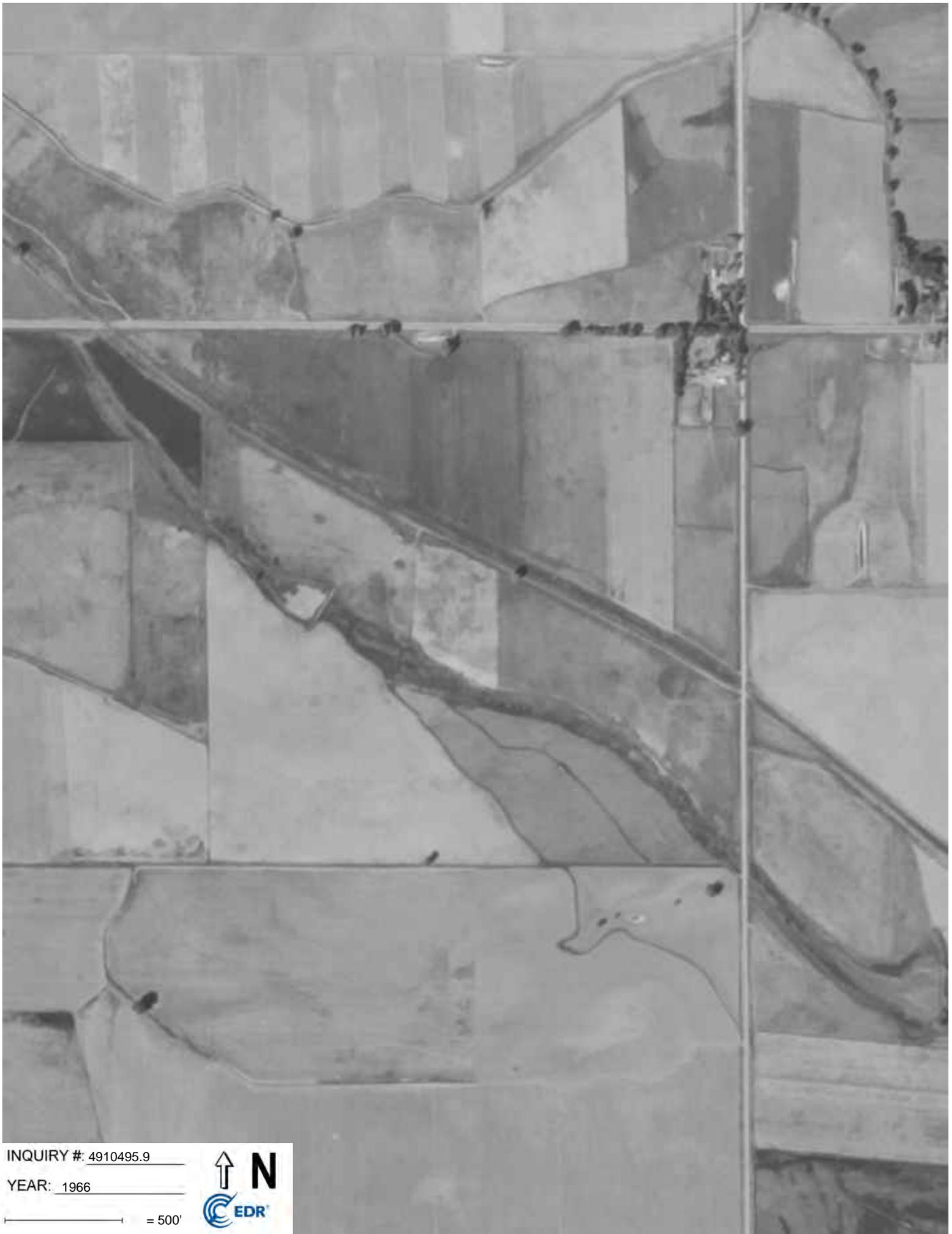
1-292

INQUIRY #: 4910495.9

YEAR: 1969

— = 750'



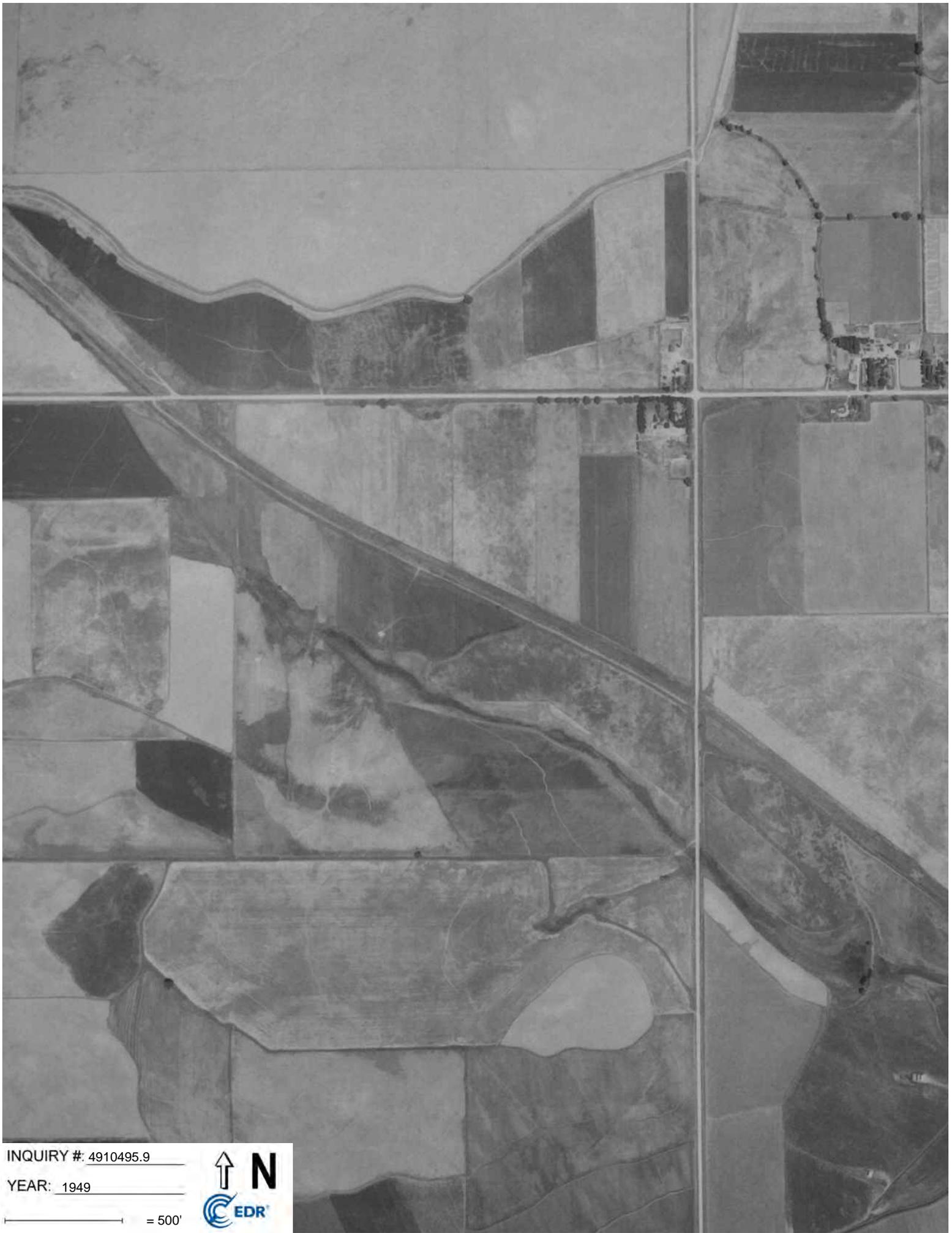


INQUIRY #: 4910495.9

YEAR: 1966

— = 500'





INQUIRY #: 4910495.9

YEAR: 1949

— = 500'





INQUIRY #: 4910495.9

YEAR: 1941

— = 500'





INQUIRY #: 4910495.9

YEAR: 1937

— = 500'



**SW Wattenberg CF**

Weld County Road 6  
Brighton, CO 80603

Inquiry Number: 4914797.1  
April 25, 2017

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

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

#### **Disclaimer - Copyright and Trademark Notice**

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1987	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Criss-Cross Directory
1982	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Criss-Cross Directory
1977	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Criss-Cross Directory
1972	<input type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory

### RECORD SOURCES

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## FINDINGS

### TARGET PROPERTY STREET

Weld County Road 6  
Brighton, CO 80603

Year

CD Image

Source

### COUNTY ROAD 6

2013	pg A2	Cole Information Services	
2008	pg A5	Cole Information Services	
2003	pg A8	Cole Information Services	
1999	pg A10	Cole Information Services	
1995	pg A11	Cole Information Services	
1992	-	Cole Information Services	Street not listed in Source
1987	pg A13	Cole Criss-Cross Directory	
1982	pg A15	Cole Criss-Cross Directory	
1977	pg A17	Cole Criss-Cross Directory	
1977	pg A18	Cole Criss-Cross Directory	
1972	-	Cole Criss-Cross Directory	Street not listed in Source

# FINDINGS

## CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<b><u>COUNTY ROAD 15</u></b>			
2013	pg. A1	Cole Information Services	
2008	pg. A4	Cole Information Services	
2003	pg. A7	Cole Information Services	
1999	pg. A9	Cole Information Services	
1995	-	Cole Information Services	Street not listed in Source
1992	-	Cole Information Services	Street not listed in Source
1987	pg. A12	Cole Criss-Cross Directory	
1982	pg. A14	Cole Criss-Cross Directory	
1977	pg. A16	Cole Criss-Cross Directory	
1972	-	Cole Criss-Cross Directory	Street not listed in Source

## **City Directory Images**

**COUNTY ROAD 15    2013**

94	RON BUCCELLI
119	ALBERT SACK
169	CONRAD SACK
899	DANNY ADAMS
1030	CLAYTON SANDT
1044	KIM BENSON
1596	LARRY FRANK
1989	KEVIN GLARDON
2218	OCCUPANT UNKNOWN
2259	KEVIN DUDAK

## COUNTY ROAD 6    2013

6045	GREG CROWE
6435	KELLYS CONSTRUCTION DEBRIS REMOVAL OCCUPANT UNKNOWN
6743	JAMES GLARDON
6989	ARLYNE GLARDON
7152	JUSTIN RITTER
7153	MELANIE TOTEMS
7172	RON RAINEY
7173	TIM TOTEMS
7193	GREGORY QUENZER
7253	TERRAH HILL
7439	ADAM HOWLETT
7673	GRATEFUL DOG THE MICHAEL HATHAWAY
7813	TARA WEIGLE
12563	D JR WELL SERVICE INC
12623	AGLIBERTO GARCIA AGUSTIN GUZMAN ANTONIA MEDRANO APOLINAR GANDARILLA BRENDA MCATEE EVELIA FLORES FIDEL GUERRA G WEBSTER GLORIA BUSTAMANTE GUSTAVO PADILLA HELEN ESTES HONORATO CISNEROS-PALACIO ISIDRO VASQUEZ JENNIFER CASTANEDA JUANA MATA JULIAN PEREZ KEVIN ARASMITH LETICIA ESTRADA MACARIO JIMENEZ MANUEL VILLANUEVA MARCELO HERNANDEZ MARIA CORRAL MARIA NEVAREZ MARIADELOS MENDENZ MARIBEL MENDOZA MARISELLA GASCA MARTHA NAVA MARTINEZ VAZQUEZ NABOR VALADEZ ODILON SANCHEZ PEREZ NATIVIDAD R SEGURA RAMIRO CALDERON ROCKY MOUNTAIN VISTA MOBILE HOME PAR

**COUNTY ROAD 6 2013 (Cont'd)**

12623	ROLANDO MORALES
	SANTIAGO VACA
	SEBASTIAN CAUDILLO
	TERRY LOUGHARY
	V MARTINEZ
	VALENTE ORTEGA
	VRIJIDO ORTIZ
	WALTER LEVY
	ZAVALA RAMIREZ
12672	ARCO CONCRETE INC
	ARNULFO ORTEGA
	ELIAS TORRES-FLORES
	MARIA GORDILLO
	RAMIRO LOPEZ
12673	LAFARGE
12972	MONARCH STONE CO INC
17445	DONALD PFEIF
17493	JAMES FREDERICKSEN
17501	OCCUPANT UNKNOWN
17743	JIM PERRY
17795	JIM PERRY
17843	ERNIE RYBERG
	RYBERG CONSTRUCTION CO INC
17903	BRIAN GALLIGAN
18442	FRED GILMORE
18462	OCCUPANT UNKNOWN
18642	OCCUPANT UNKNOWN
18841	KEVIN ELLS
18843	OCCUPANT UNKNOWN

**COUNTY ROAD 15    2008**

94	CHRIS PRUGLE
119	ALBERT SACK
169	CHERYL SACK
890	MARTHA GASPAR
899	DANNY ADAMS
1030	CLAYTON SANDT
1044	KIM BENSON
1596	LARRY FRANK
1989	KEVIN GLARDON
2259	ERIC EASTMENT

## COUNTY ROAD 6    2008

6045	OCCUPANT UNKNOWN
6435	OCCUPANT UNKNOWN
6743	JAMES GLARDON
6989	ARLYNE GLARDON
7152	OCCUPANT UNKNOWN
7172	FARM & RANCH SPECIALISTS INC
	RON RAINEY
	SUPREME INVESTMENT GROUP
7173	CPR COLORADO
	TIMOTHY TOTEMS
7193	OCCUPANT UNKNOWN
	QUENZER DISTRIBUTING
7253	CHARLES LEEPER
7673	MICHAEL HATHAWAY
	THE GRATEFUL DOG
7813	OCCUPANT UNKNOWN
12563	DJR WELL SERVICE INC
	GO PUMPING & CONSULTING INC
12616	FREIDA MOORE
12623	ALEJANDRO DELACRUZ
	ANA HERRERA
	ARTURO MARTINEZ
	ELEUTERIO ORTIZ
	ERASTO SANCHE
	EVELIA FLORES
	FRANCISCO BARRAZA
	GUSTAVO PADILLA
	HECTOR DELGADO
	HONORATO CISNEROS-PALACIO
	ISIDRO VASQUEZ
	JENNIFER CASTANEDA
	JOSE ORTEGA
	JOSE RIVERA
	JOSUE SANCHEZ
	JUAN AGUIAR
	JUANA MATA
	JULIAN PEREZ
	LETICIA ESTRADA
	LUIS HUERTA
	MARIA MENDOZA
	MARIO PALOMARES
	MARTHA NAVA
	MAXIMINO MUNOZ
	MIGUEL GUTIERREZ
	NABOR VALADEZ
	ROSELINDO CAUDILLO
	SIERRA VISTA MOBILE PARK
	VICENTE MASIAS
12632	APOLINAR GANDARILLA
12672	ARCO CONCRETE INC

**COUNTY ROAD 6 2008 (Cont'd)**

12672 ARNULFO ORTEGA  
ELIAS TORRES  
ENRIQUE VALADEZ  
JAE WEBSTER  
JESUS HERNANDEZ  
RAMIRO LOPEZ  
17445 DONALD PFEIF  
17493 OCCUPANT UNKNOWN  
17501 OCCUPANT UNKNOWN  
17743 JIM PERRY  
17843 CHARLES RYBERG  
RYBERG ERNIE HOUSE MOVERS  
17903 BRIAN GALLIGAN  
18442 JAY KEARNS  
18462 OCCUPANT UNKNOWN  
18841 KEVIN ELLS  
18843 RONALD ELLS

**COUNTY ROAD 15    2003**

94	SHAWN PRUGLE
119	ALBERT SACK
890	MARTHA GASPAR
899	JASON ADAMS
1030	CLAYTON SANDT
1044	KIM BENSON
1596	LARRY FRANK
1989	KEVIN GLARDON

## COUNTY ROAD 6    2003

6743	JAMES GLARDON
6989	ARLYNE GLARDON
7152	JAMES EASTHOUSE
7172	RON RAINEY
7173	TIMOTHY TOTEMS
7193	KENNETH QUENZER
	QUENZER DISTRIBUTING
7253	TANYA LEEPER
7673	MICHAEL HATHAWAY
7813	KELLY PULTS
12563	GO PUMPING & CONSULTING
12623	ANA HERRERA
	BENJAMIN LOPEZ
	CLAUDIA ENRIQUEZ
	DELA JAVIER
	ELEUTERIO ORTIZ
	ELISA ZAVALA
	FELICITAS GORDILLO
	GABINO OLIVAS
	GUSTAVO PADILLA
	ISIDRO VASQUEZ
	J MATA
	JOSE ACOSTA
	JOSUE SANCHEZ
	JOVITA CHAPARRO
	JUAN VAZQUEZ
	JULIAN PEREZ
	KAYLA GARCIA
	LETICIA ESTRADA
	LORENZO CHAVEZ
	MANUEL GARFIO
	MANUEL MEDINA
	SIERRA VISTA MOBILE PARK
12672	CRUZ SANCHEZ
	JESUS HERNANDEZ
	MARIA MILLAN
17445	BARBARA PFEIF
17493	INGER RODABAUGH
17501	BETTY RODABAUGH
17743	TIA PERRY
	TIMBERLINE EXTERIORS
17843	CHARLES RYBERG
	RYBERG CONSTRUCTION CO
17903	BRIAN GALLIGAN
18442	FRED GILMORE
	JAY KEARNS
	VOGEL & GILMORE
18841	KEVIN ELLS
18843	RONALD ELLS

Target Street

Cross Street

Source

-

✓

Cole Information Services

**COUNTY ROAD 15 1999**

899 JASON ADAMS



-

**COUNTY ROAD 6 1999**

7813 MA LOR

**COUNTY ROAD 6 1995**

7172 RAINEY ARABIAN CTR  
7673 ROCKY MOUNTAIN CARPET MASTER  
12563 C MEC OIL FIELD CONSTRUCTION  
THOMASONS WELL SVC  
12623 SIERRA VISTA MOBILE PARK  
17843 ERNIE RYBERG HOUSE MOVERS

COUNTY ROAD 15 1987

● WELD CO RD 15			
	● RR 5 . . . . .		80601
890	John Gaspar . . . . .	75	659-1081
899	. . . . .	NP	
1030	Timothy A Dority . . . . .	81	659-0919
1989	Margie Stribling . . . . .		☐ 659-6773
	4 RESIDENCE		

COUNTY ROAD 6 1987

● WELD CO RD 6			
● RR 5 . . . . . 80601			
6743	James Glardon . . . . .	72	659-5749
6982	. . . . .	NP	
6989	Z Glardon . . . . .	85	659-1481
7153	Timothy A Totems . . . . .	82	659-1381
7172	. . . . .	NP	
7173	L J Totems . . . . .	75	659-2184
7193	Kenneth Quenzer . . . . .	77	659-6484
7253	Paul Heinze . . . . .	73	659-2334
7673	A J Vercher . . . . .	▣	654-0958
8206	Mark Robertson . . . . .	▣	659-6849
8492	David Ritacco . . . . .	-	659-5980
8763	M M Yocom . . . . .	82	659-5290
9703	C Blyler . . . . .	75	659-3088
11523	Lena Miller . . . . .	67	659-0450
11533	. . . . .	NP	
11553	George Stieber . . . . .	73	659-2143
11573	Thos L Sommerville . . . . .	▣	659-1132
12563	J F Molledor . . . . .	83	659-1894
12623	. . . . .	NP	
12672	Mary Barra . . . . .	81	659-7456
	Jose Barrutia . . . . .	-	659-2233
	Felisita Cabrera . . . . .	81	659-0535
	Audon Estrada . . . . .	85	659-5755
	James E Lloyd . . . . .	79	659-3548
	Abel Madera . . . . .	85	659-9512
	Juan Mong . . . . .	▣	659-6097
	Simon Ramirez . . . . .	▣	659-7698
	Albert Rodriguez . . . . .	-	659-3150
	Irene Sanchez . . . . .	▣	659-5182
	Leopoldo Tredo . . . . .	▣	659-5368
	Jesus Ulloa . . . . .	82	659-9448
	Isoporo Vasquez . . . . .	▣	659-9727
12673	Frank Yokooji . . . . .	78	659-3310
12692	. . . . .	NP	
● . . . . . 80601			
13033	Alfred Watada . . . . .		659-3391
	Gary Watada . . . . .	84	659-2230
13500	Wm G Coffey Jr . . . . .	82	659-1822
13502	David L Nelson . . . . .	85	659-0125
13512	. . . . .	NP	
13713	Carol Schara . . . . .	75	659-0135
14313	R W Gamble . . . . .	-	659-5316
	D G Gilmore . . . . .	-	659-5316
14502	. . . . .	NP	
14512	Max E Moler . . . . .	77	659-5863
15422	K Dean Heitman . . . . .	79	659-5987
15600	A J Schupman Sr . . . . .	79	659-1244
16103	Daniel J Stockley . . . . .	79	659-7709
16403	Alvin T White . . . . .	78	659-6039
16903	Larry Smith . . . . .	84	659-1643
17445	Donald D Pfeif . . . . .	85	654-0968
● RR 1 . . . . . 80601			
17843	Ernie Ryberg . . . . .	79	659-5943
	★ R&R House Movers . . . . .	78	659-5943
	★ Ernie Ryberg . . . . .	81	659-5943
	★ E Ryberg Hse Mover . . . . .	81	659-5943
17903	Mark R Brown . . . . .	76	659-4818
18442	Fred C Gilmore . . . . .	75	659-2603
18841	Kevin L Ells . . . . .	82	659-5710
18843	Ronald V Ells . . . . .	82	659-9675
	55 RESIDENCE . . . . .	3	BUSINESS

COUNTY ROAD 15 1982

WELD CO RD 15

R R 2 ..... 80601

092600

890	John Gaspar	.....75	659-1081
899	J L Williams Jr	.....75	659-6362
1030	Timothy A Totems	.....75	659-8316
1989	John Ray Rock	.....77	659-6734

4 Residence

## COUNTY ROAD 6    1982

WELD CO RD 6		
		<b>80601</b>
<b>092560</b>		
201	211 214	NP
216	Mary Kennedy	.75 659-6648
225		NP
6743	James Glardon	.72 659-5749
<b>R R 2</b>		<b>80601</b>
6982	Elisha Glardon	.76 659-1481
7172	David Ritacco	.77 659-5980
7173	L J Totems	.75 659-2184
7193	Kenneth Quenzer	.77 659-6484
7253	Paul Heinze	659-2334
7673	J T Hill	.75 659-8856
8492	Donald Powell	.75 659-8641
8493	8763	NP
<b>R R 1</b>		<b>80601</b>
9703	C Blyler	.75 659-3088
10463	Edwin Sebold	659-1511
11523	Lena Miller	.67 659-0450
11533	Henry Stolz	.75 659-1973
11553	George Stieber	659-2143
11573	Gerald E Conover	.76 659-5910
12545		NP
12623	Mary Maes	.75 659-8791
	Jose L Morado	.75 659-2981
12672	Joe F Aragon	.79 659-2241
	Mary Barrett	.75 659-8867
	Jose Barrutia	.79 659-2233
	Terrance D Diggins	.75 659-1317
	Audon Estrada	.79 659-5755
	Timothy N Freel	.75 659-6561
	Kelly A Junk	.75 659-8491
	James E Lloyd	.79 659-3548
	Francisco Regalado	.79 659-6501
	Dora Reiter	.75 659-8628
12673	Frank Yokooji	.78 659-3310
12692	Greg Varela	.79 659-3735
		<b>80601</b>
13033	Alfred Watada	659-3391
13502	George Sandlin	.79 659-1010
13713	Richard Schara	.75 659-0135
14313		NP
14323	Julio A Rojas	.79 659-5816
14502		NP
14512	Max E Moler	.77 659-5863
15013	James I Massey	.75 659-1564
15422	K Dean Heitman	.79 659-5987
15600	A J Schupman Sr	.79 659-1244
16103	Daniel J Stockley	.79 659-7709
16403	Alvin T White	.78 659-6039
16603	★ Mrs	.75 659-8301
	Dallas R Sanders	.75 659-8301
17445	Effie L Deterts	.75 659-5746
17843	★ R&R House Movers	659-5943
	Ernie Ryberg	.79 659-5943
17903	Mark R Brown	.76 659-4818
18442	Fred C Gilmore	.75 659-2603
19824	Francis Duvall	.79 659-2763
20033	Kenneth Lange	.75 659-1196
20363	Rev Leo J Fonske	.76 659-5445
	56 Residence	2 Business

COUNTY ROAD 15 1977

★ ★ WELD CO RD 15  
 .....  
 .....R R 2..... 80601  
 890 JOHN GASPAR - 6591081  
 899 J L WILLIAMS JR - 6596362  
 2 RESIDENCE

COUNTY ROAD 6 1977

★ ★ WELD CO RD 6		
.....		
		80601
102	KENNETH D COX	#6596430
103	PAULA ARAGON	3 6597646
201	TERRY A SHAFFER	-6596549
211	REV LEO J FENSKE	#6595445
214	JACK MURROW	3 6594846
225	RON WORLEY	-6595901
300	GEORGE LUCAS	-6591853
316	MARY KENNEDY	-6596630
321	CAROL MILLS	-6590497
.....R R 2.....		
		80601
7173	L J TOTEMS	-6592184
7193	MARGUERITE TOTEMS	-6591309
7253	PAUL HEINZE	6592334
7673	ALVIN HEINZE	-6590340
8763	WESLEY H SCOTT	6593584
.....R R 1.....		
		80601
9703	C BLYLER	-6593088
10463	EDWIN SEBOLD	6591511
11523	LENA MILLER	-7 6590450
11533	HENRY STOLZ	-6591973
11553	GLENN NEELY	-6592143
	GEORGE STIEBER	6592143
12623	WILLIAM F BUNJA	-6594691
	BILLY GOLOBE	#6592761
12673	GENE TADEHARA	-6591702
13033	ALFRED WATADA	6593391
13713	RICHARD SCHARA	-6590135
14313	RONALD K HEITMAN	6592218
14323	GERALD R ROTH	4 6596598
15013	JAMES I MASSEY	-6591564
17843	ERNIE RUBERG	#6595943
17903	NORMAN E RICE	8 6593187

SAUTHORIZED IN WRITING BY THE DIRECTOR

COUNTY ROAD 6 1977

Target Street	Cross Street	Source
..... R R 1.....		80
18442 FRED C GILMORE		- 6592
19824 GERALD D PICKERING		- 6592
20033 KENNETH LANGE		- 6591
33 RESIDENCE		