

Phase I Environmental Site Assessment  
**Sanford's Grub and Pub**  
306 7th Street  
Rapid City, South Dakota  
VERTEX Project No. 9963

**VERTEX®**

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Prepared By:

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Prepared for:

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Attn: Ms. Joni Barrett

December 6, 2006

# VERTEX™

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December 6, 2006

Ms. Joni Barrett  
Spirit Finance Corporation  
14631 North Scottsdale Road, Suite 200  
Scottsdale, AZ 85254

Re: Phase I Environmental Site Assessment  
**Sanford's Grub and Pub**  
306 7th Street  
Rapid City, South Dakota  
VERTEX Project No. 9963

Dear Ms. Barrett:

Vertex Environmental Services, Inc. (VERTEX) is pleased to submit this Phase I Environmental Site Assessment report for the above referenced property (the site). The primary purpose of this assessment was to identify *recognized environmental conditions* ("RECs") in connection with the subject property. Recognized environmental conditions are defined as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property.

In conducting this assessment, VERTEX followed the E1527-05 American Society for Testing and Materials (ASTM) document entitled "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate. In addition to the ASTM-defined environmental conditions, VERTEX also assessed the property for the potential presence of asbestos, lead paint and radon. To the best of our knowledge, this Phase I Environmental Site Assessment report is true and accurate.

Please do not hesitate to contact us at your convenience, should you have any questions or comments regarding this report or our recommendations. It has been a pleasure working with you on this project.

Sincerely,

**Vertex Environmental Services, Inc.**

*for Cretia for*

Stephanie Gieck  
Scientist II



Benjamin B. Strong  
Vice President

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## PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Sanford's Grub and Pub**  
306 7th Street  
Rapid City, South Dakota  
VERTEX Project No. 9963

### 1.0 INTRODUCTION

On November 17, 2006, VERTEX was contracted by Ms. Joni Barrett of Spirit Finance Corporation to conduct a Phase I Environmental Site Assessment of the commercial property located at 306 7th Street, Rapid City, South Dakota (the site). K & Y, LLC currently owns the site.

In conducting this assessment, VERTEX followed the E1527-05 American Society for Testing and Materials (ASTM) document entitled "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate, as well as the All Appropriate Inquiries (AAI) Final Rule of November 1, 2005. Any exceptions to, or deletions from, this practice are described in Section 9.0 of the report.

The primary purpose of this assessment was to identify *recognized environmental conditions* in connection with the subject property. ASTM defines recognized environmental conditions as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property.

The purpose of this practice is to define good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or *bona fide* prospective purchaser limitations on CERCLA liability.

The practice constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. 9601(35)(B). In addition to the ASTM-defined environmental conditions, VERTEX also assessed the property for the potential presence of asbestos, lead paint and radon.

As part of the AAI Final Rule, Phase I ESAs must be conducted by or under the supervision of a qualified *environmental professional*. The AAI Final Rule defines an environmental professional as someone who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors of the rule. We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312. We have specific qualifications based on education, training and experience to assess the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

In accordance with the above-referenced agreement, VERTEX performed a visual reconnaissance of the site, noted use of adjacent properties, and conducted historical and regulatory records research. The following provides a more detailed description of the scope of services:

- Visual inspection of the site building and grounds to identify potential for on-site oil or hazardous material release(s) and issues of non-compliance.
- Visual inspection of the site to confirm the presence or absence of Polychlorinated Biphenyls (PCBs), i.e. transformers.
- Visual inspection and categorization of the use of abutting and adjacent properties as potential off-site sources of chemical contamination.

- Review of local records related to historical ownership, usage and site development. This also included interviewing local environmental authorities to identify complaints, violations, citations, or inspections related to the site.
  
- Review of published federal regulatory records related to on-site activities and to potential off-site sources of oil or hazardous material contamination. Federal records reviewed include, but are not limited to, the following:
  - National Priorities List (NPL)
  - Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
  - Resource Conservation and Recovery Act (RCRA)
  - Emergency Response Notification System (ERNS)
  
- Review of readily available state regulatory records and publications for environmental activities related to the site and potential off-site sources of oil or hazardous material contamination. State records reviewed include, but are not limited to, the following:
  - South Dakota registered underground storage tanks (USTs)
  - South Dakota leaking underground storage tank (LUST) facilities
  - South Dakota state solid waste facilities/landfill sites (SWF/LS)
  - South Dakota State Hazardous Waste Site (SHWS) Database.
  
- Review of readily available historic site documents to assess for potential on-site sources of oil or hazardous material contamination.
  
- Review of local records related to historical ownership, usage and site development. This also included interviewing local environmental authorities to identify complaints, violations, citations, inspections, environmental liens, activity and use limitations (AULs), or institutional and engineering controls related to the site.



- Review of readily available plans and documents relative to construction materials utilized at the site and any historical renovation activities.
- Visual inspection of the interior and exterior of the site building to confirm the presence or absence of Asbestos Containing Materials (ACMs) and Lead Based Paint (LBP).
- Preparation of this Phase I Environmental Site Assessment Report.

## 2.0 PROJECT SUMMARY

On November 17, 2006, VERTEX was contracted by Ms. Joni Barrett of Spirit Finance Corporation to conduct a Phase I Environmental Site Assessment of the commercial property located at 306 7th Street, Rapid City, South Dakota (the site). K & Y, LLC currently owns the site.

According to the Pennington County Equalization Department, the site parcel consists of approximately 0.80 acres, denoted as Sidwell Number 20-36-353-001. The site is currently improved with a one-story restaurant building. The site building was constructed in 1923. The site is currently occupied by a Sanford's Grub and Pub restaurant. The site is located in a retail area near downtown Rapid City, South Dakota.

The site is bordered to the north by Omaha Street, beyond which is a park. The site is bordered to the south by an alley, beyond which are Planet Hair, Victoria's Garden, Forever Home, and the Milo Barber Transportation Center. The site is bordered to the west by 7th Street, beyond which are a warehouse/office building and various retail. The site is bordered to the east by La Costa Mexican Restaurant.

Based on interviews with the site contact, review of historical topographic maps, historical building permits, historical information from the Pennington County Equalization Department and Register of Deeds, historical city directories, the site originally had part of a passenger depot and a loading platform on-site as early as 1909, prior to which the site was undeveloped. The current site building was constructed in 1923 and was utilized for railroad freight warehousing. Railroad tracks were located on the north and south sides of the site building. The Chicago Milwaukee St. Paul and Pacific Railway Company were likely located onsite during these operations. Ponderosa Industries, which is listed as a farm supplier was located on-site in 2000. Various restaurants have been on site since at least 1995. No recognized environmental conditions regarding the historic use of the site were identified. VERTEX did not encounter any data gaps during its investigation.

According to the site contact, electricity is provided by Black Hills Power, and natural gas is provided to the site by Montana-Dakota Utilities Company (MDU). Water and sewer are provided by Rapid City. According to the Rapid City Water and Sewer Department, water and sewer were available in the area in the 1920's.

One half gallon of gasoline was observed by VERTEX in the kitchen area. According to the site contact, gasoline is used to power a pressure washer. Floor drains were also observed near the gasoline. VERTEX recommends the gasoline be stored in an area without floor drains.

Visual evidence indicating current or historic on-site underground storage tanks (USTs) or aboveground storage tanks (ASTs) was not observed at the site. Additionally, review of records maintained at the Rapid City and Pennington County municipal offices did not reveal the existence of current or historic USTs. As such, USTs and ASTs are not considered a concern to this investigation.

Based on the age of the site building (1923), it is possible that asbestos containing materials (ACMs) and lead-based paint (LBP) are present in the site building. Suspect ACMs observed throughout the site building consisted of vinyl floor tile, mastic, insulation, and drywall. Suspect ACMs and painted surfaces within the site building appeared to be in good condition. As such, ACMs and LBP are not considered immediate concerns to this investigation. VERTEX recommends that prior to any future renovation or demolition activities, suspect ACMs and painted surfaces to be impacted should be sampled and analyzed for asbestos and lead. Confirmed ACMs and LBP should be managed in accordance with applicable state, local, and Federal regulations.

Electricity is provided to the site via pole-mounted transformers. No pad-mounted transformers were noted during the site visit. No stains indicative of a release were noted around the pole-mounted transformer. The transformers appeared to be in good condition at the time of the site visit. The transformers are owned by Black Hills Power, which would be responsible for the

cleanup in the event of any releases. As such, the potential presence of PCBs in the transformers is not considered a concern to this investigation.

**Recommendations:**

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of Sanford's Grub and Pub, 306 7th Street, Rapid City, South Dakota, the *site*. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report. This assessment has not revealed the presence of recognized environmental conditions in connection with the site. As such, no further actions are recommended.

However, VERTEX offers the following recommendation:

- VERTEX recommends the gasoline tank in the kitchen be stored in an area without floor drains.
- VERTEX recommends that prior to any future renovation or demolition activities, suspect ACMs and painted surfaces to be impacted should be sampled and analyzed for asbestos and lead. Confirmed ACMs and LBP should be managed in accordance with applicable state, local, and Federal regulations.

## 3.0 PROPERTY DESCRIPTION

### 3.1 Site Reconnaissance

A site visit was conducted by VERTEX representative Stephanie Gieck, Scientist II, between 2:00 p.m. and 3:00 p.m. on November 29, 2006. VERTEX was escorted by Jo Beth, Manager on Duty, during the site visit.

During the site visit, the weather was clear and wind with an approximate temperature of 3 degrees Fahrenheit. The site visit consisted of a walk through of the site and visual reconnaissance of neighboring properties from curbside.

In addition to the walk-through, readily available resources such as geologic maps, aerial photographs, USGS topographic maps, flood insurance rate maps, and regulatory records were reviewed.

### 3.2 General Site Conditions

According to the Pennington County Equalization Department, the total area of the site is 0.80 acres. The site parcel is denoted as Sidwell Number 20-36-353-001. The site is currently improved with a one-story restaurant building. Please refer to Figure 1 - Site Locus Map.

The site is bordered to the north by Omaha Street, beyond which is a park. The site is bordered to the south by an alley, beyond which are Planet Hair, Victoria's Garden, Forever Home, and the Milo Barber Transportation Center. The site is bordered to the west by 7th Street, beyond which are a warehouse/office building and various retail. The site is bordered to the east by La Costa Mexican Restaurant.

### **3.3 Site Improvements**

The site is currently improved with a one-story restaurant building, asphalt-paved parking, sidewalks, and professionally landscaped areas.

#### **3.3.1 Building Description**

The site is currently improved with a one-story restaurant building. The site building has a brick and concrete exterior and an arched roof. Interior finishing materials include wood floors, vinyl floor tile, carpeted floors, brick and wood walls, painted drywall, painted ceilings, and unfinished ceilings.

#### **3.3.2 Exterior Improvements**

Concrete sidewalks, asphalt-paved driveways and parking areas, and professionally landscaped areas surround the site building.

#### **3.3.3 Utilities**

According to the site contact, electricity is provided by Black Hills Power, and natural gas is provided to the site by Montana-Dakota Utilities Company (MDU). Water and sewer are provided by Rapid City. According to the Rapid City Water and Sewer Department, water and sewer were available in the area in the 1920's.

### **3.4 Tenant Operations**

Currently, the site is occupied by a Sanford's Grub and Pub restaurant. Sanford's Grub and Pub is characterized as typical bar and grill restaurant operation.

### **3.5 Environmental Setting**

#### **3.5.1 Topography**

The site is shown on the 1978 USGS 7.5-minute quadrangle map of Rapid City, South Dakota. The surface elevation of the site is approximately 3,230 feet above mean sea level. Local topography has a general slope to the north-northeast.

#### **3.5.2 Surface Water and Wetlands**

No surface water or wetlands were observed on the site. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for Pennington County, South Dakota, the site is located within the 500-year flood plain.

#### **3.5.3 Subsurface Geologic Conditions**

The geology of the site is identified as the Jurassic Series of the Jurassic System of the Mesozoic Era. According to the U. S. Department of Agriculture (USDA) Soil Conservation Service (SCS) for Pennington County, subsurface soils expected at the site include the Satanta loam and the Colombo loam, which are characterized as being well drained with intermediate water holding capacity. Bedrock outcrops were not observed during site reconnaissance.

#### **3.5.4 Groundwater Flow**

Based on regional and local surface topography, groundwater is expected to flow in a north-northeasterly direction across the site towards the Rapid Creek, located approximately 1/8 mile to the north-northwest of the site. Groundwater is expected to be located between 15 and 20 feet below grade surface at the site. Actual local groundwater flow direction can be influenced by

factors such as underground structures, seasonal fluctuations, soil and bedrock geology, and production wells, none of which were considered during this study.



## 4.0 HISTORICAL RECORDS REVIEW

VERTEX investigated past land uses to identify historic practices or conditions that may have adversely impacted the subject site. This was accomplished via a review of ownership records, records maintained in the Rapid City and Pennington County municipal offices, historic city directories, and historic topographic maps.

### 4.1 Prior Ownership and Usage

According to the Pennington County Equalization Department, the site is currently owned by K & Y, LLC. Prior ownership records were reviewed at the Pennington County Register of Deeds. Additionally, VERTEX reviewed a Chain of Title document prepared by Fidelity National Title Insurance Company (FNTIC) dated November 28, 2006. Table 4.1 contains partial chain of title information for the property.

Grantor	Grantee	Book/Page	Date
Freight House, LLC	K&Y, LLC	86/9066	11/27/2000
Ponderosa Chemicals Co.	Freight House, LLC	86/9065	11/27/2000
Michael R. Gustafson	Ponderosa Chemicals Co.	82/1758	12/28/1999
Freight House Partners	Michael R. Gustafson	38/6108	9/1/1988
Robbins and Sterns Lumber	Freight House Partners	38/6107	9/1/1988
Richard B. Oglilvie	Robbins and Sterns Lumber	15/3302	11/6/1980
Mariah C. Ford	Adolph Whrlaub	-	10/19/1905
Adolph Whrlaub	White River Railway	J/432	2/23/1897

Ponderosa Chemicals Company is listed as a previous owner from December 1999 to November 2000. According to the 2000 city directory, Ponderosa Industries was one of the occupants located on-site and was a farm supply company. Review of environmental databases did not list any releases of hazardous materials on-site, nor were any associated with Ponderosa Industries. As such, this previous owner is not a concern. No historical concerns were identified through the review of ownership records for the site. No environmental liens or Activity and Use

Limitations (AULs) were noted through review of ownership records. Additionally, FNTIC also did not identify any environmental liens or AULs as part of its title search.

VERTEX conducted interviews regarding site history with the following individuals:

- Jo Beth, General Manager for Sanford's Grub and Pub - confirmed date of construction, site operations, previous on-site operations.
- VERTEX attempted to interview the occupants of the surrounding properties; however, management personnel were not available at the time of VERTEX's inspection.

VERTEX was not provided with any specialized knowledge regarding the site from Spirit Finance Corporation. VERTEX was not provided with any information regarding the purchase price as compared to the fair market value of the site.

#### **4.2 Aerial Photography**

As part of this investigation, VERTEX reviewed an aerial photograph from circa 2006. The site and surrounding properties appear as they currently do. Prior aerial photographs were not available from the US Department of Agriculture - Pennington County Field Office, the Rapid City Public Library, or the Rapid City GIS Department.

#### **4.3 Historic Topographic Maps**

As part of this investigation, VERTEX reviewed historic topographic maps dated 1953, 1971, and 1978 obtained from EDR. Please refer to the discussion below for information obtained through this review.

1953 Map: The site building is depicted and railroad tracks are depicted on the north and south sides of the site. Omaha Street is depicted along the north side of the site and 7th Street is depicted along the west side of the street. No buildings are depicted surrounding the site.

1971 Map: The site and surrounding properties appear similar to the 1953 map.

1978 Map: The site and surrounding properties appear similar to the 1971 map.

Based on review of historic topographic maps, railroad tracks were historically on-site along the north and south sides of the site building. According to the site contact, the site building was historically used for railroad freight warehousing. No concerns were noted regarding historic use of the site through review of historic topographic maps.

#### **4.4 Sanborn Fire Insurance Maps**

As part of this investigation, VERTEX reviewed historic Sanborn Fire Insurance Maps depicting the site and vicinity acquired from EDR. Maps dated 1887, 1891, 1897, 1909, 1915, 1923, 1930, 1948, and 1951 were available for review. A summary of the information in these maps is presented below:

1887 Map: The site is not included in the map.

1891 Map: Nothing is depicted on the site. Stables are depicted in the east and south of the site

1897 Map: The site and surrounding properties appear similar to the 1891 map.

1909 Map: A brick platform is depicted on the site and railroad tracks running east and west are depicted on the north and south side of the site. A passenger depot extends onto the eastern side of the site. The areas beyond 7th Street and Omaha Street are not included in the map.

1915 Map: The map appears similar to the 1909 map, except Standard Polish Company, a manufacturer of metal polish is located south of the site.

1923 Map: A brick platform is depicted on the site and railroad tracks running east and west are depicted on the north and south side of the site. A passenger depot extends onto the eastern side of the site. A coal shed and freight house are depicted to the west of the site across 7th Street and dwellings are depicted north of the site across Omaha Street.

1930 Map: The current site building is depicted. The west end of the building is labeled as an office, and the rest of the site building is labeled as a railroad office and freight depot. Railroad tracks running east and west are depicted on the north and south side of the site. The passenger depot is still depicted to the east where the La Costa Mexican Restaurant is currently located. Various buildings and a sand and gravel bin are depicted south of the site. Dwellings are depicted north of the site across Omaha Street. A wood platform and the Roush Transfer Company coal yard are depicted west of the site across 7th Street.

1948 Map: The site and surrounding properties appear similar to the 1930 map, except a soft drinks warehouse is depicted where the wood platform to the west across 7th Street was located.

1951 Map: The site and surrounding properties appear similar to the 1948 map, except a freight depot extends onto the southeast corner of the site, some of the buildings and the gravel bin to the south are no longer present, and the La Costa Mexican Restaurant to the east is now a beer warehouse.

Through the review of Sanborn maps, it appears that the site was historically vacant according to the 1897 and 1891 maps. The site appears to have been utilized as a railroad passenger depot and loading platform from around 1909 to 1923, when the current site building was constructed, and the site was utilized as railroad freight warehousing from 1923 until at least 1951. No concerns were noted with the site through a review of historic topographic maps.

#### 4.5 City Directories

As part of this investigation, VERTEX reviewed historical city directories for the site address and surrounding properties at the Rapid City Public Library. City directories from 1928 through 2005 were reviewed at approximate five year intervals. The site address is 306 7th Street. Omaha Street runs along the north side of the site, and odd numbered addresses would have been located on the south side of Omaha Street. Tables 4.4.1 and 4.4.2 represent VERTEX's findings. The site address is denoted in bold.

Table 4.4.1: City Directories for 7th Street

Date	Address	Occupant
2005	306 7th Street	Sanford's Grub and Pub
	313 7th Street	Bradley, Dale
	314 7th Street	Vissia, Larry
	315 7th Street	Grover, Jim
	320 7th Street	Bierman, Vicki U Planet Hair Roomer's Victoria's Garden
	321 7th Street	Hooky Jack's Phatty McGee's
2000	306 7th Street	Dance Depot Flordino's Ponderosa Industries (farm supplies) Sirloin and Buffet
	315 7th Street	-
	320 7th Street	Roomer's Furniture Exchange
	321 7th Street	Seventh Street Warehouse
1995	306 7th Street	Dance Depot Flordino's
	312 7th Street	Vacant
	315 7th Street	Barber, Glenn C and Associates Inc. Rapid Acoustical Floors Rapid Insulation
	320 7th Street	Vacant
	321 7th Street	Seventh Street Warehouse
1990	306 7th Street	Vacant
	312 7th Street	Vacant
	315 7th Street	Barber, Glenn C and Associates Inc. Rapid Acoustical Floors
	321 7th Street	Business Warehouse
1985	312 7th Street	Building Products Supply
	315 7th Street	Building Products Supply
	321 7th Street	Vacant
1980	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co. Milwaukee Motor Transportation
	315 7th Street	Building Products Supply
	321 7th Street	Action Moving and Storage
	330 7th Street	Action Moving and Storage
1975	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co. Milwaukee Motor Transportation
	315 7th Street	Building Products Supply
	321 7th Street	Barber United Van Lines
	330 7th Street	Crown Candy Co. Inc.
1970	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	315 7th Street	Building Products Supply
	321 7th Street	Vacant
	330 7th Street	Barber Moving and Storage Co.
1965	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.

Table 4.4.1: City Directories for 7th Street		
Date	Address	Occupant
	315 7th Street	Building Products Supply
	321 7th Street	Barber Moving and Storage Co.
	330 7th Street	Barber Moving and Storage Co. United Van Lines Adox, John
1960	311 7th Street	Martin Distribution Co. Humphrey GE Electric Talish, John H.
	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	315 7th Street	Robbins and Stearns Sheet Metal Supply Co.
	330 7th Street	Barber Cartage Co.
1955	311 7th Street	Martin Distribution Co. Humphrey GE Electric Talish, John H.
	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	315 7th Street	Robbins and Stearns Sheet Metal Supply Co.
	317 7th Street	Black Hills Albright Groceries
	318 7th Street	Vacant
	330 7th Street	Vacant
1951	311 7th Street	Martin Distribution Co. Humphrey GE Electric Talish, John H.
	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	315 7th Street	Roush Transfer Co. Denver Oxygen Co. National Carbide Corp. Scheidt ET Wholesale Co.
	318 7th Street	Black Hills Albright Groceries
	321 7th Street	Black Hills Albright Groceries
	330 7th Street	Vacant
1945	312 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	315 7th Street	Roush Transfer Co.
	318 7th Street	Black Hills Albright Groceries
	321 7th Street	Black Hills Albright Groceries
1939	308 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	315 7th Street	Roush Transfer Co.
	318 7th Street	Black Hills Albright Groceries
	321 7th Street	Black Hills Albright Groceries
1934-1935	308 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	314 7th Street	Dark Canyon Stone Co. Atwater Trucking Co.
	315 7th Street	Roush Transfer Co.
	321 7th Street	Black Hills Albright Groceries
1930-1931	301 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	308 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	314 7th Street	Dark Canyon Stone Co. Atwater Trucking Co.
	315 7th Street	Roush Transfer Co.

Table 4.4.1: City Directories for 7th Street		
Date	Address	Occupant
	320 7th Street	Black Hills Wholesale Groceries
	321 7th Street	Black Hills Wholesale Groceries
1928	302 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	303 7th Street	Chicago Milwaukee St. Paul and Pacific Railway Co.
	314 7th Street	Dark Canyon Stone Co.
	320 7th Street	Rapid City Fruit Co.
	321 7th Street	Black Hills Wholesale Groceries



**Table 4.4.2: City Directories for Omaha Street**

<b>Date</b>	<b>Address</b>	<b>Occupant</b>
2005	603 Omaha Street	La Costa Mexican Restaurant
2000	603 Omaha Street	Remington's Restaurant and Lounge
1995	603 Omaha Street	Remington's Restaurant and Lounge
1990	603 Omaha Street	Remington's Restaurant and Lounge
1985	603 Omaha Street	Remington's Restaurant and Lounge
1980	603 Omaha Street	Depot Designs
1975	603 Omaha Street	Third Generation
	604 Omaha Street	Otto's Service Center
	618 Omaha Street	Both Fisheries Inc. D & P Omaha Market Inc.
	630 Omaha Street	Vacant
1970	603 Omaha Street	Third Generation
	604 Omaha Street	Otto's Service Center
	618 Omaha Street	Both Fisheries Inc. D & P Omaha Market Inc.
	630 Omaha Street	Mark's Seventh and Omaha Service
1965	604 Omaha Street	Otto's Service Center
	605 Omaha Street	Third Generation
	618 Omaha Street	Both Fisheries Inc. Scoop's Meats and Frozen Foods
	620 Omaha Street	Residential
	622 Omaha Street	Residential John's Seventh and Omaha Service
1960	604 Omaha Street	Otto's Service Center
	614 Omaha Street	Security Motor Co.
	618 Omaha Street	Both Fisheries Inc. Scoop's Meats and Frozen Foods
	620 Omaha Street	Residential
	622 Omaha Street	Residential
1955	604 Omaha Street	Otto's Service Center
	618 Omaha Street	Amana Food Plan and Home Freezers Scoop's Meats and Frozen Foods
	620 Omaha Street	Residential
	620 ½ Omaha Street	Vacant
	622 Omaha Street	Residential
	624 Omaha Street	Residential
	624 ½ Omaha Street	Residential
	628 Omaha Street	Residential
	630 Omaha Street	Residential
1951	604 Omaha Street	Jack's Pure Service
	614 Omaha Street	Residential
	618 Omaha Street	Residential
	620 Omaha Street	Residential
	620 ½ Omaha Street	Residential
	622 Omaha Street	Residential
	622 ½ Omaha Street	Residential
	624 Omaha Street	Residential
	624 ½ Omaha Street	Residential

Table 4.4.2: City Directories for Omaha Street		
Date	Address	Occupant
	628 Omaha Street	Residential
	628 ½ Omaha Street	Residential
	630 Omaha Street	Residential
1945	614 Omaha Street	Residential
	618 Omaha Street	Residential
	620 Omaha Street	Residential
	620 ½ Omaha Street	Residential
	622 Omaha Street	Residential
	622 ½ Omaha Street	Residential
	624 Omaha Street	Residential
	628 Omaha Street	Residential
	628 ½ Omaha Street	Residential
	630 Omaha Street	Residential
1939	614 Omaha Street	Residential
	618 Omaha Street	Residential
	620 Omaha Street	Residential
	620 ½ Omaha Street	Residential
	622 Omaha Street	Vacant
	622 ½ Omaha Street	Residential
	624 Omaha Street	Residential
	628 Omaha Street	Residential
	630 Omaha Street	Residential
1934-1935	No listings in vicinity	
1930-1931	614 Omaha Street	Residential
	618 Omaha Street	Residential
	624 Omaha Street	Residential
	628 Omaha Street	Residential
	630 Omaha Street	Residential
1928	613 Omaha Street	Residential
	614 Omaha Street	Residential
	618 Omaha Street	Residential
	624 Omaha Street	Residential
	628 Omaha Street	Residential
	630 Omaha Street	Residential

This site is listed as occupied by Sanford's Grub and Pub in the 2005 city directory, and it is listed as occupied by Dance Depot and Flordino's in the 2000 and 1995 city directories. Ponderosa Industries (farm supplies) and Sirloin and Buffet were also listed as occupants in the 2000 city directory. The site was vacant in the 1990 city directory. The site was also likely occupied by the Chicago Milwaukee St. Paul and Pacific Railway Company, which was listed at nearby addresses, some of which may have been on site (302, 308, and 312 7th Street) in the 1928 through 1980 city directories. Based on information from the site contact and historic

topographic maps, the site was used as a railroad freight warehouse and tracks were on-site. No concerns were noted with the historic use of the site through a review of historic city directories.

#### **4.5 Previous Environmental Investigations**

As part of this investigation, VERTEX requested copies of previous environmental investigations conducted at the site. No previous reports were provided for review or were reportedly known to have been conducted.

## 5.0 REGULATORY AGENCY RECORDS SEARCH

VERTEX procured and reviewed a database report from Environmental Data Resource, Inc. (EDR). The EDR report may be referenced in Appendix B. A review of databases and files from federal, state, and local environmental regulatory agencies was conducted to identify use, generation, storage, treatment or disposal of hazardous materials and chemicals, or release incidents of such materials which may impact the site. The databases discussed in the following sections address ASTM requirements. Additional federal and state databases were also reviewed. Please refer to the EDR report for a detailed listing.

The Federal records reviewed include: CERCLIS, NPL, Resource Conservation Recovery Information System (RCRIS), and ERNS.

State records reviewed include: South Dakota registered underground storage tanks (USTs), South Dakota leaking underground storage tank (LUST) facilities, South Dakota state solid waste facilities/landfill sites (SWF/LS), and South Dakota State Hazardous Waste Site (SHWS) Database.

In addition, VERTEX conducted a review of records at various local agencies that may be referenced in Appendix D. Interviews were conducted with officials from these agencies to obtain specific information about areas located on or near the subject site with reported problems.

Included in the EDR database report is an orphan summary. This summary identifies facilities that are contained on one of the above-referenced databases or lists, but that did not contain complete or accurate geographic data. Consequently, EDR was unable to map the facilities in relation to the site. As part of this investigation VERTEX reviewed the orphan summary. Properties located within ASTM search distances of the subject site were incorporated into VERTEX's review.

A summary of the EDR database information is provided in Table 5.0.

Table 5.1 – EDR Database Summary			
Database	Radius	Target Property	Surrounding Facilities
National Priorities List	1 Mile	-	0
Delisted National Priorities List	1 Mile	-	0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Sites	½ Mile	-	0
CERCLIS No Further Remedial Action Planned Sites	¼ Mile	-	0
Resource Conservation and Recovery Act (RCRA) Corrective Action Treatment, Storage, and Disposal (TSD) Facilities	1 Mile	-	0
RCRA Non-Corrective Action (TSD) Facilities	½ Mile	-	0
RCRA Large Quantity Generators (LQG)	¼ Mile	-	0
RCRA Small Quantity Generators (SQG)	¼ Mile	-	4
Emergency Response Notification System (ERNS)	Target Property	-	0
Leaking Aboveground Storage Tanks (LAST)	½ Mile	-	1
Leaking Underground Storage Tank Facilities (LUST)	½ Mile	-	20
State Solid Waste Landfills (SWF/LF)	½ Mile	-	0
Underground Storage Tank Facilities (UST)	¼ Mile	-	8
Voluntary Cleanup Program (VCP)	½ Mile	-	0

## 5.1 Federal Regulatory Records

The United States Environmental Protection Agency (USEPA) September 27, 2006 National Priorities List (NPL) records were reviewed to identify facilities within one mile of the site which the USEPA has determined to represent a possible threat to public health or the environment. The site was not identified, nor was any property located within a one-mile radius of the site.

The USEPA August 9, 2006 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list of known, alleged, or potentially hazardous waste sites was reviewed. A site's presence on the CERCLIS list does not necessarily imply Federal activity at that site, nor does it indicate that hazardous conditions necessarily exist at the location. The site was not identified, nor was any property located within a one-half mile radius of the site.

CERCLIS sites designated “No Further Remedial Action Planned” (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. The CERCLIS-NFRAP database is dated October 10, 2006. The site was not identified, nor was any property located within a one-half mile radius of the site.

The CORRACTS database dated March 15, 2006 identifies hazardous waste handlers with RCRA corrective action activity. The site was not identified, nor was any property located within a one mile radius of the site.

The June 13, 2006 Resource Conservation and Recovery Information System (RCRIS) List of hazardous waste generators was reviewed. The RCRIS list identifies facilities which generate, treat, transport, store, and dispose of hazardous waste. A facility's inclusion on this list does not necessarily indicate that hazardous conditions exist at that location. The site was not listed on the databases. However, four facilities located within ¼ mile of the site were identified. For a summary of these facilities, refer to Table 5.1.1.

Facility	Address	Dist/Direction from Site	Hydrogeologic Relationship	Status
Western Business Resources	318 Mt. Rushmore Rd.	825 feet/southwest	Up-gradient	SQG – No reported violations
Rapid City Journal Co.	507 Main St.	950 feet/southeast	Cross-gradient	SQG – No reported violations
RCJ Real Estate Inc.	525 5 <sup>th</sup> St.	1,025 feet/south-southeast	Cross-gradient	SQG – No reported violations
Northwest Bank	825 St. Joseph St.	1,250 feet/southwest	Up-gradient	SQG – No reported violations

SQG - small quantity generator of hazardous waste

Based on the assumed groundwater flow direction, distance from the subject site and regulatory status, these listings are not considered a concern to this investigation.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous material. The database contains information from spill reports made to Federal authorities including the EPA, the US Coast Guard, The National Response Center and the Department of Transportation. According to the EDR report, the target property was not listed on the ERNS list.

## 5.2 State Regulatory Records

The January 24, 2006 list of Underground Storage Tank (UST) facilities maintained by the South Dakota Department of Environment and Natural Resources (SDDENR) was reviewed. The site was not listed on the database. However, eight facilities located within ¼-mile of the site were identified. For a summary of the facilities within 1,100 feet of the site, refer to Table 5.2.1.

Table 5.2.1 UST Facilities				
Facility	Address	Dist/Direction from Site	Hydrogeologic Relationship	Status
Mayers Radio	308 5 <sup>th</sup> St.	775 feet/east-southeast	Cross-gradient	Unknown
B&E Auto Service	525 5 <sup>th</sup> St.	1,025 feet/south-southeast	Cross-gradient	Unknown

Based on the assumed groundwater flow direction and distance from the subject site, these facilities are not considered concerns to this investigation. Based on the assumed groundwater flow direction, distance from the subject site and/or regulatory status, the remaining facilities are not considered concerns to this investigation.

The SDDENR list of LUST facilities dated September 15, 2006 was reviewed. The site was not listed on the database. However, twenty facilities located within ½-mile of the site were identified. For a summary of the facilities located within 1,250 feet of the site, refer to Table 5.2.2.

Table 5.2.2 LUST Facilities				
Facility	Address	Dist/Direction from Site	Hydrogeologic Relationship	Status
Alex Johnson Hotel	523 6 <sup>th</sup> St.	775 feet/south	Cross-gradient	Open
Thompson Feed Service	410 5 <sup>th</sup> St.	850 feet/southeast	Cross-gradient	Closed
Cowles Media Company	525 5 <sup>th</sup> St.	1,025 feet/south-southeast	Cross-gradient	Closed

Based on the assumed groundwater flow direction, distance from the subject site and/or regulatory status, the remaining facilities are not considered concerns to this investigation.

The September 15, 2006 list of LASTs maintained by the SDDENR was reviewed. The site was not identified; however, one property located within a ½-mile radius of the site was identified. The MG Oil Company located at 1002 West Main Street approximately 1,775 feet west and cross-gradient from the site is identified on the LASTs database. The release has been closed by the SDDENR. Based on the assumed groundwater flow direction, distance from the site, and regulatory status, this facility is not considered a concern to this investigation.

The February 1, 2006 list of SWF/LF maintained by the SDDENR was reviewed. The site is not listed on the SWF/LF database, nor were any facilities located within ½-mile of the site.

### 5.3 Local Records

On November 29, 2006, VERTEX visited the Rapid City municipal offices and Pennington County offices to review records maintained at the local agencies. During this investigation, interviews with local municipal agency personnel and review of files did not reveal evidence of releases or known contamination on site or at any facilities in the site vicinity that have not been previously discussed. Below is a list of the facilities visited by VERTEX.

Pennington County Equalization Department – property cards

Pennington County Fire Department – No records for the site were on file



Pennington County Register of Deeds – deed records

Rapid City Development Service Center – building permit records

Rapid City Growth Management Department – zoning confirmed

Rapid City Public Library – city directories

Rapid City Water and Sewer Department – zoning confirmed

USDA, Pennington County Field Office – no aerial photographs available

## **6.0 ON-SITE ENVIRONMENTAL ASSESSMENT**

### **6.1 Storage Tanks**

#### **6.1.1 Underground Storage Tanks (USTs)**

Visual evidence (i.e., pipes, vents, and dispensers) indicating current or historic on-site USTs were not observed at the site. Additionally, review of records maintained at the Rapid City and Pennington County municipal offices did not reveal the existence of current or historic USTs. As such, USTs are not considered a concern to this investigation.

#### **6.1.2 Aboveground Storage Tanks (ASTs)**

Visual evidence (i.e., steel support structures, concrete pads) indicating current or historic on-site ASTs were not observed at the site. Additionally, review of records maintained at the Rapid City and Pennington County municipal offices did not reveal the existence of current or historic ASTs. As such, ASTs are not considered a concern to this investigation.

### **6.2 Asbestos-Containing Materials (ACMs)**

Based on the original construction date of the site building (1923), it is possible that ACMs were utilized during construction. Suspect ACMs observed within the site building were limited to vinyl floor tile, mastic, acoustical ceiling tile, drywall, and insulation. These materials appeared to be in good condition at the time of our investigation. Prior to any future renovation and/or demolition activities, suspect ACMs to be impacted should be sampled and analyzed for asbestos content. Confirmed ACMs should be managed in accordance with all applicable local, state, and federal regulations. Additionally, if confirmed ACMs are identified at the site, an Operations and Maintenance Plan should be implemented at the site in order to manage confirmed ACMs.

### **6.3 Lead Based Paint (LBP)**

Based on the original construction date of the site building (1923), it is possible that LBP was utilized during construction. Painted surfaces within the site building appeared to be in fair condition at the time of our investigation. As such, LBP is not considered an immediate concern for this building. Prior to any future renovation and/or demolition activities, suspect painted surfaces to be impacted should be sampled and analyzed for lead content. Confirmed LBP should be managed in accordance with all applicable local, state, and federal regulations. Additionally, if confirmed LBP is identified at the site, an Operations and Maintenance Plan should be implemented at the site in order to manage confirmed LPB.

### **6.4 Hazardous Material Usage**

One half gallon of gasoline was observed by VERTEX in the kitchen area. According to the site contact, gasoline is used to power a pressure washer. Floor drains were also observed near the gasoline. VERTEX recommends the gasoline be stored in an area without floor drains.

### **6.5 Solid Waste Management**

Solid waste is accumulated in one dumpster located on the south side of the site building. The dumpster is serviced regularly by Fish Sanitation. Additionally, one grease trap is located in the kitchen. The grease trap is serviced once every three weeks by Tipton Grease Service. VERTEX did not observe evidence of improper solid waste disposal during this investigation.

### **6.6 Hazardous Waste Management**

Hazardous waste is not currently generated at the site.

## **6.7 Polychlorinated Biphenyls (PCBs) Containing Equipment**

Electricity is provided to the site via off-site pole-mounted transformers. No pad-mounted transformers were noted during the site visit. No stains indicative of a release were noted around the pole-mounted transformer. The transformers appeared to be in good condition at the time of the site visit. The transformers are owned by Black Hills Power, which would be responsible for the cleanup in the event of any releases. As such, the potential presence of PCBs in the transformers is not considered a concern to this investigation.

## **6.8 Water, Wastewater and Stormwater**

### **6.8.1 Water Supply**

According to the Rapid City Water and Sewer Department, water was available in the area in the 1920's. No issues with regard to water supply were noted for the site.

### **6.8.2 Wastewater**

According to the Rapid City Water and Sewer Department, sewer was available in the area in the 1920's.

### **6.8.3 Storm Water**

Storm water is directed to storm drains located along 7th Street and Omaha Street. No concerns regarding current storm water management were noted during this investigation.

## **6.9 Surface Water and Wetlands**

No surface water or wetlands were observed on the site. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for Pennington County, Wyoming, the site is located within the 500-year flood plain.

## **6.10 Radon**

The site is located within a Zone 2 radon area, meaning that the average indoor radon level is greater than two picoCuries per liter (pCi/L) but less than four picoCuries per liter (pCi/L). The EPA Standard action level for radon is 4 pCi/L. Therefore, the site is located in an area of moderate radon potential. Radon is emitted through cracks in sub grade foundations or walls. Considering that there are no regularly occupied sub grade spaces on-site, radon is not considered an immediate concern to this investigation.

## **6.11 Air Emissions**

There were no observed emissions from operations on site that required permitting, emission controls, or abatement activities. No additional controls were identified as being required during this assessment.

## **6.12 Dry Cleaning Operations**

Site reconnaissance, as well as review of available municipal records and regulatory records, did not reveal the presence of current or historic on-site dry cleaning operations. A review of the municipal records for the properties adjacent to the site did not identify the presence of dry cleaning establishments.

## **6.13 Site Specific Environmental Issues**

There were no site-specific environmental concerns identified during the assessment other than those discussed within previous sections of this report.

## 7.0 REVIEW OF NEARBY/ADJACENT PROPERTIES

The site is bordered to the north by Omaha Street, beyond which is a park. The site is bordered to the south by an alley, beyond which are Planet Hair, Victoria's Garden, Forever Home, and the Milo Barber Transportation Center. The site is bordered to the west by 7th Street, beyond which are a warehouse/office building and various retail. The site is bordered to the east by La Costa Mexican Restaurant.

No concerns were noted with nearby and/or adjacent properties.

## 8.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

On November 17, 2006, VERTEX was contracted by Ms. Joni Barrett of Spirit Finance Corporation to conduct a Phase I Environmental Site Assessment of the commercial property located at 306 7th Street, Rapid City, South Dakota (the site). K & Y, LLC currently owns the site.

According to the Pennington County Equalization Department, the site parcel consists of approximately 0.80 acres, denoted as Sidwell Number 20-36-353-001. The site is currently improved with a one-story restaurant building. The site building was constructed in 1923. The site is currently occupied by a Sanford's Grub and Pub restaurant. The site is located in a retail area near downtown Rapid City, South Dakota.

The site is bordered to the north by Omaha Street, beyond which is a park. The site is bordered to the south by an alley, beyond which are Planet Hair, Victoria's Garden, Forever Home, and the Milo Barber Transportation Center. The site is bordered to the west by 7th Street, beyond which are a warehouse/office building and various retail. The site is bordered to the east by La Costa Mexican Restaurant.

Based on interviews with the site contact, review of historical topographic maps, historical building permits, historical information from the Pennington County Equalization Department and Register of Deeds, historical city directories, the site originally had part of a passenger depot and a loading platform on-site as early as 1909, prior to which the site was undeveloped. The current site building was constructed in 1923 and was utilized for railroad freight warehousing. Railroad tracks were located on the north and south sides of the site building. The Chicago Milwaukee St. Paul and Pacific Railway Company were likely located onsite during these operations. Ponderosa Industries, which is listed as a farm supplier was located on-site in 2000. Various restaurants have been on site since at least 1995. No recognized environmental conditions regarding the historic use of the site were identified. VERTEX did not encounter any data gaps during its investigation.

According to the site contact, electricity is provided by Black Hills Power, and natural gas is provided to the site by Montana-Dakota Utilities Company (MDU). Water and sewer are provided by Rapid City. According to the Rapid City Water and Sewer Department, water and sewer were available in the area in the 1920's.

One half gallon of gasoline was observed by VERTEX in the kitchen area. According to the site contact, gasoline is used to power a pressure washer. Floor drains were also observed near the gasoline. VERTEX recommends the gasoline be stored in an area without floor drains.

Visual evidence indicating current or historic on-site underground storage tanks (USTs) or aboveground storage tanks (ASTs) was not observed at the site. Additionally, review of records maintained at the Rapid City and Pennington County municipal offices did not reveal the existence of current or historic USTs. As such, USTs and ASTs are not considered a concern to this investigation.

Based on the age of the site building (1923), it is possible that asbestos containing materials (ACMs) and lead-based paint (LBP) are present in the site building. Suspect ACMs observed throughout the site building consisted of vinyl floor tile, mastic, insulation, and drywall. Suspect ACMs and painted surfaces within the site building appeared to be in good condition. As such, ACMs and LBP are not considered immediate concerns to this investigation. VERTEX recommends that prior to any future renovation or demolition activities, suspect ACMs and painted surfaces to be impacted should be sampled and analyzed for asbestos and lead. Confirmed ACMs and LBP should be managed in accordance with applicable state, local, and Federal regulations.

Electricity is provided to the site via pole-mounted transformers. No pad-mounted transformers were noted during the site visit. No stains indicative of a release were noted around the pole-mounted transformer. The transformers appeared to be in good condition at the time of the site visit. The transformers are owned by Black Hills Power, which would be responsible for the



cleanup in the event of any releases. As such, the potential presence of PCBs in the transformers is not considered a concern to this investigation.

**Recommendations:**

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of Sanford's Grub and Pub, 306 7th Street, Rapid City, South Dakota, the *site*. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report. This assessment has not revealed the presence of recognized environmental conditions in connection with the site. As such, no further actions are recommended.

However, VERTEX offers the following recommendation:

- VERTEX recommends the gasoline tank in the kitchen be stored in an area without floor drains.
- VERTEX recommends that prior to any future renovation or demolition activities, suspect ACMs and painted surfaces to be impacted should be sampled and analyzed for asbestos and lead. Confirmed ACMs and LBP should be managed in accordance with applicable state, local, and Federal regulations.

## 9.0 QUALIFICATIONS

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. VERTEX is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

It should be noted that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. Subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. This report does not warrant against future operations or conditions, nor does this warrant operations or conditions present of a type or at a location not investigated. This report is not a regulatory compliance audit.

This study is not intended to assess or otherwise determine if any soil contamination, waste emplacement, or groundwater contamination exists. These data are accessible only by subsurface material and groundwater sampling through the completion of soil borings and the installation of monitoring wells. The scope of work, determined by the client, did not include these activities.

It must be noted that no investigation can absolutely rule out the existence of any hazardous materials at a given site. This assessment has been based upon prior site history and observable conditions. Existing hazardous materials and contaminants can escape detection using these methods.

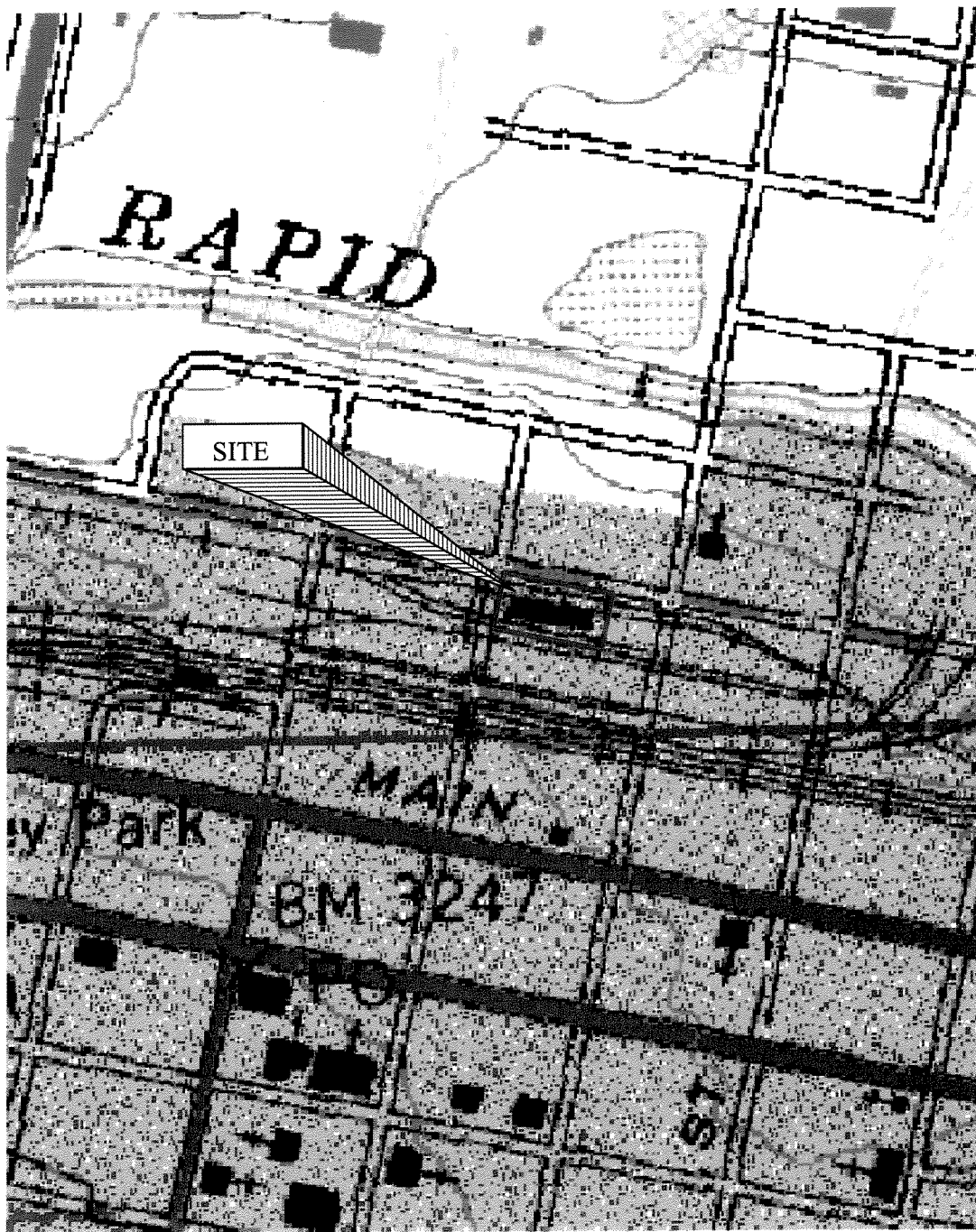
Our conclusions regarding the potential environmental impact of nearby, off-site facilities on the subject site are based on readily available information from the environmental databases and the assumed groundwater flow direction. A detailed file review of each facility was beyond the scope of work. Actual subsurface groundwater conditions can only be determined through the installation of monitoring wells.

VERTEX reviewed past ownership of the project site in an attempt to determine past site usage. VERTEX is not a professional title insurance firm and makes no guarantee, explicit or implied, that the listing which was reviewed represented a comprehensive delineation of past site ownership or tenancy for legal purposes.

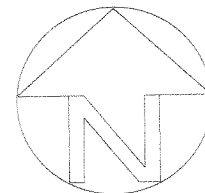
The lack of all original assessment data performed at the site when original impacts were noted is considered a data gap. Other significant data gaps which would affect VERTEX's ability to identify recognized environmental conditions at the site were not identified during this investigation. During this investigation, VERTEX was provided access to all interior and exterior areas of the site.

This report is for the exclusive use and reliance of Spirit Finance Corporation and their respective affiliates, successors and assigns. Except as set forth in this paragraph, no other party shall have any right to rely on any service provided by VERTEX without prior written consent.

FIGURES



USGS Topographic Map, 1978  
 Rapid City, SD Quadrangle  
 Contour Interval: 10 Feet



**SITE LOCUS MAP**

Sanford's Pub & Grub  
 306 7th Street  
 Rapid City, South Dakota

SCALE: 1: 24,000

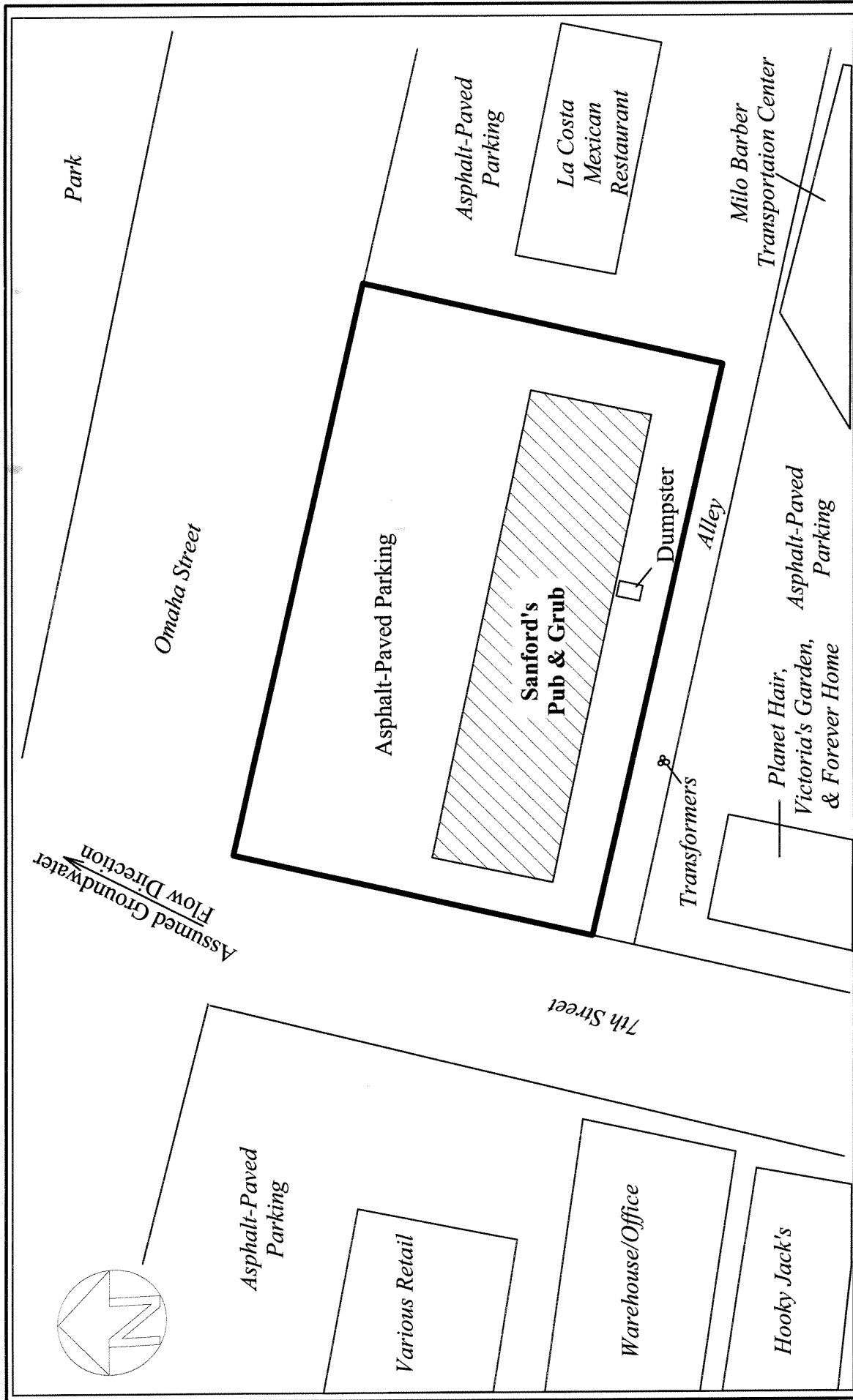
November 30, 2006

VERTEX Proj. No. 9963

**VERTEX**

Environmental Services, Inc.

Figure 1



**Environmental Services, Inc.**  
**FIGURE NO. 2**

NOT TO SCALE

October 16, 2006

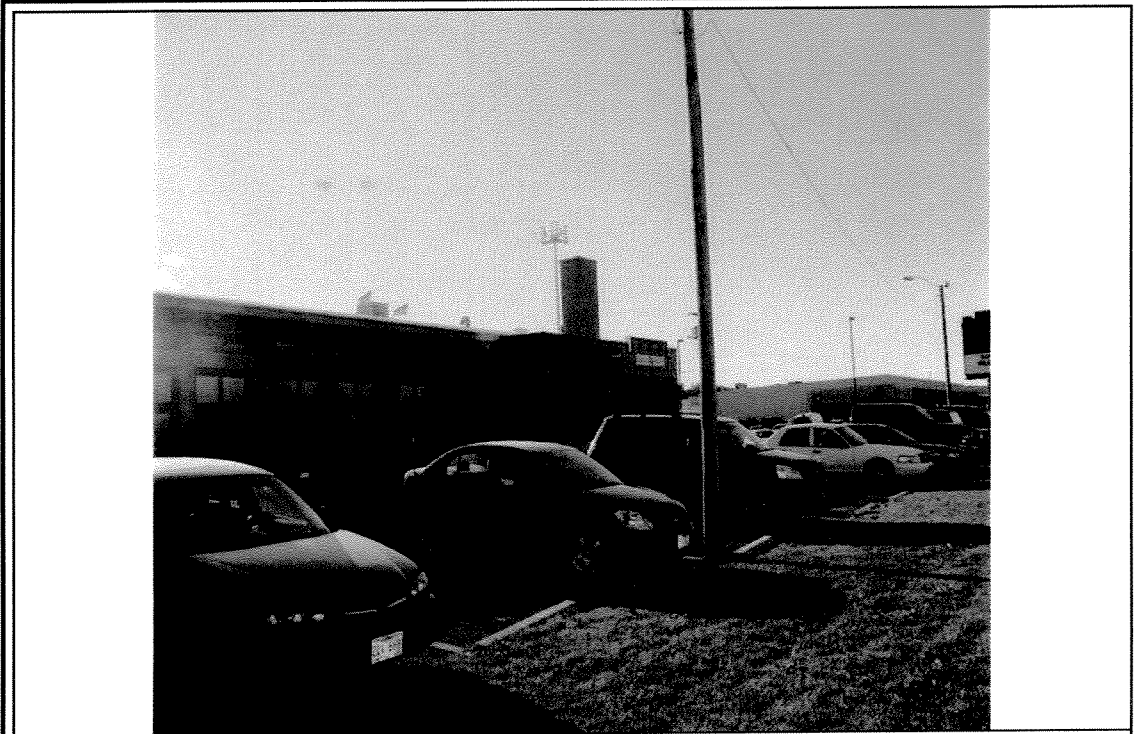
VERTEX Project No. 9794

**SITE SCHEMATIC**

Sanford's Pub & Grub  
 306 7th Street  
 Rapid City, South Dakota

APPENDIX A  
PHOTOGRAPHIC DOCUMENTATION

A-1



Photograph depicts north side of the site building (Sanford's Grub and Pub).

A-2



Photograph depicts south side of the site building.

**PHOTOGRAPHIC  
DOCUMENTATION**

Sanford's Grub and Pub  
306 7th Street  
Rapid City, South Dakota

VERTEX PROJ. NO.  
9963

December 2006

**VERTEX**<sup>®</sup>  
Environmental Services, Inc.



A-3



Photograph depicts dining area of the site building.

A-4



Photograph depicts kitchen area of the site building.

**PHOTOGRAPHIC  
DOCUMENTATION**

Sanford's Grub and Pub  
306 7th Street  
Rapid City, South Dakota

VERTEX PROJ. NO.  
9963

December 2006

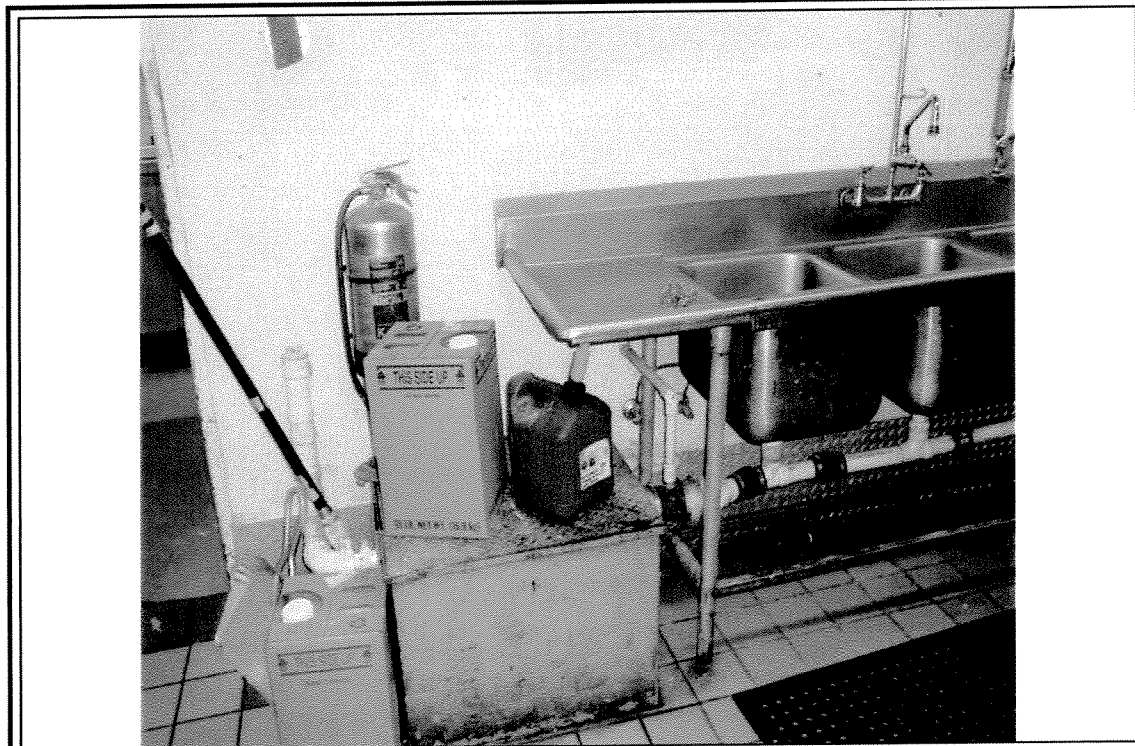
**VERTEX**<sup>®</sup>  
Environmental Services, Inc.

A-5



Photograph depicts floor drain located inside kitchen area of site building.

A-6



Photograph depicts grease trap and gasoline container inside kitchen area.

**PHOTOGRAPHIC  
DOCUMENTATION**

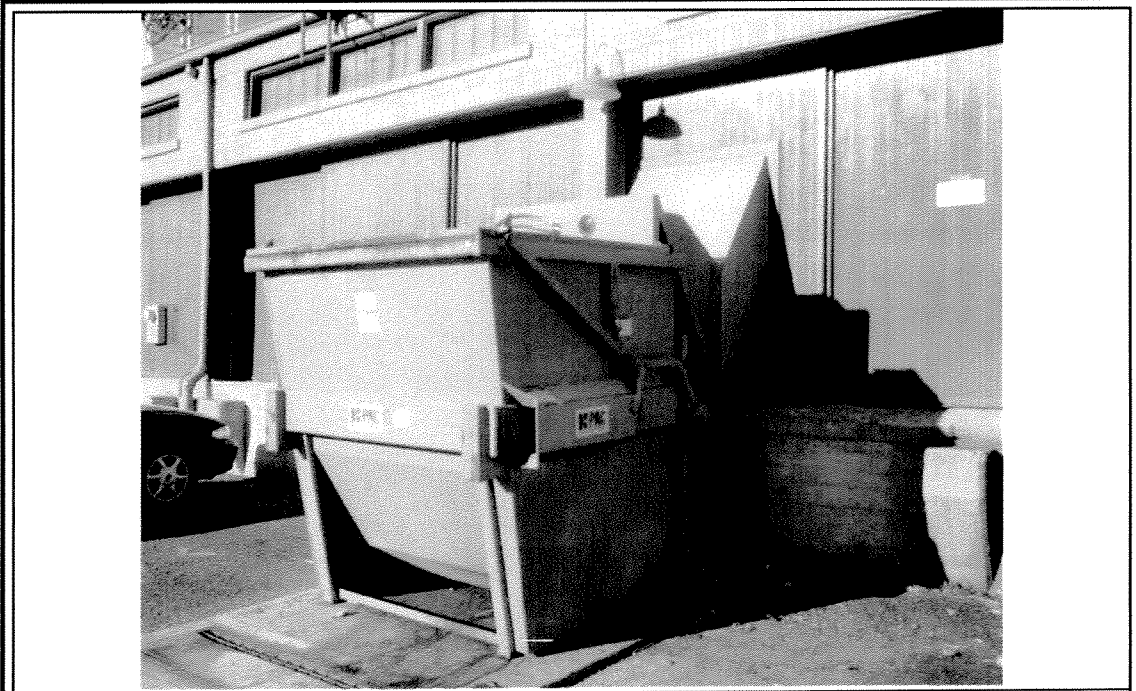
Sanford's Grub and Pub  
306 7th Street  
Rapid City, South Dakota

VERTEX PROJ. NO.  
9963

December 2006

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A-7



Photograph depicts dumpster that services the site building.

A-8



Photograph depicts entrance and sign for the site building.

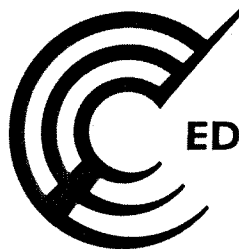
**PHOTOGRAPHIC  
DOCUMENTATION**

Sanford's Grub and Pub  
306 7th Street  
Rapid City, South Dakota

VERTEX PROJ. NO.  
9963

**VERTEX**<sup>®</sup>  
Environmental Services, Inc.

APPENDIX B  
REGULATORY DATABASE REPORT



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Sanfords Grub and Pub  
306 7th Street  
Rapid City, SD 57701**

**Inquiry Number: 1807879.2s**

**December 01, 2006**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

306 7TH STREET  
RAPID CITY, SD 57701

#### COORDINATES

Latitude (North): 44.083200 - 44° 4' 59.5"  
Longitude (West): 103.227700 - 103° 13' 39.7"  
Universal Tranverse Mercator: Zone 13  
UTM X (Meters): 641898.8  
UTM Y (Meters): 4882424.5  
Elevation: 3231 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 44103-A2 RAPID CITY EAST, SD  
Most Recent Revision: 1978

### 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:

#### FEDERAL RECORDS

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
Delisted NPL..... National Priority List Deletions  
NPL RECOVERY..... Federal Superfund Liens  
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned  
CORRACTS..... Corrective Action Report  
RCRA-TSDF..... Resource Conservation and Recovery Act Information  
RCRA-LQG..... Resource Conservation and Recovery Act Information

## EXECUTIVE SUMMARY

ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SWF/LF	Solid Waste Facilities
SWRCY	Businesses that Accept Recyclables
AST	Aboveground Storage Tanks
SPILLS	Spills
INST CONTROL	List of Brownfields Sites
DRYCLEANERS	Listing of Registered Drycleaners
BROWNFIELDS	List of Brownfields Sites
AIRS	Air Emissions Listing

### TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

**Manufactured Gas Plants**... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.



## EXECUTIVE SUMMARY

### FEDERAL RECORDS

**RCRAInfo:** 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>WESTERN BUSINESS RESOURCES</i>	<i>318 MT. RUSHMORE RD</i>	<i>1/8 - 1/4 SW</i>	<i>3</i>	<i>6</i>
<i>NORWEST BANK RAPID CITY N.A.</i>	<i>825 ST. JOSEPH STREET</i>	<i>1/8 - 1/4 SW</i>	<i>11</i>	<i>10</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RAPID CITY JOURNAL CO INC</i>	<i>507 MAIN ST</i>	<i>1/8 - 1/4 SE</i>	<i>A5</i>	<i>8</i>
<i>RCJ REALESTATE INC. GARAGE SIT</i>	<i>525 FIFTH STREET</i>	<i>1/8 - 1/4 SSE</i>	<i>A8</i>	<i>9</i>

### STATE AND LOCAL RECORDS

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental & Natural Resources' UST-Line-Piping Spill/Release List.

A review of the LUST list, as provided by EDR, and dated 09/15/2006 has revealed that there are 20 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALEX JOHNSON HOTEL Facility Status: Open	523 6TH STREET	1/8 - 1/4 S	2	6
JIMS AUTO SALES Facility Status: Monitoring	926 MAIN STREET	1/4 - 1/2 WSW	18	13
FIRST FEDERAL PROPERTY Facility Status: Closed	909 ST. JOSEPH STREET	1/4 - 1/2 WSW	20	15
RAPID CITY FEDERAL CREDIT UNIO Facility Status: Closed	725 5TH STREET	1/4 - 1/2 SSE	22	16
ABANDONED TANK PROJECT - FISK Facility Status: Open	1030 WEST MAIN STREET	1/4 - 1/2 W	26	19
APPLIANCE WAREHOUSE Facility Status: Open	1017 WEST OMAHA	1/4 - 1/2 W	27	20
AMOCO #5068 - BOBS AMOCO Facility Status: No Further Action	721 MT. RUSHMORE ROAD	1/4 - 1/2 SSW	28	20
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
THOMPSON FEED SERVICE Facility Status: Closed	410 5TH STREET	1/8 - 1/4 SE	4	7

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
COWLES MEDIA COMPANY - JOURNAL Facility Status: Closed	525 5TH STREET	1/8 - 1/4 SSE	A6	8
SOUTH DAKOTA SCHOOL OF MINES Facility Status: Closed	501 E. ST. JOSEPH STREE	1/8 - 1/4 SSE	B12	11
FIRESTONE STORE # 3254 Facility Status: Closed	425 MAIN STREET	1/8 - 1/4 SE	C16	12
<b>MR. NIFTY CLEANERS</b> Facility Status: Open	<b>430 ST. JOSEPH ST</b>	<b>1/4 - 1/2 SSE</b>	<b>19</b>	<b>14</b>
COMMON ENERGY PLANT Facility Status: Closed	434 N. MT. RUSHMORE ROA	1/4 - 1/2 N	21	15
STOCKMANS BOAT SHOP Facility Status: Open	317 MAIN STREET	1/4 - 1/2 ESE	D24	17
<b>RAPID CITY LAUNDRY AND DRY CLE</b> Facility Status: Open	<b>312 MAIN ST</b>	<b>1/4 - 1/2 ESE</b>	<b>D25</b>	<b>18</b>
BREKHUS BUICK AUTO SALES Facility Status: Closed	OMAHA 201	1/4 - 1/2 ESE	29	21
FORMER PATRONS COOP Facility Status: Open	224 MAIN STREET	1/4 - 1/2 ESE	E30	21
FORMER DWIGHTS SERVICE Facility Status: Open	202 MAIN STREET	1/4 - 1/2 ESE	E31	22
DON PETERSON - CREAMERY MALL Facility Status: Monitoring	201 MAIN STREET	1/4 - 1/2 ESE	32	23
DUANE MEYER REPAIR Facility Status: Closed	151 MAIN STREET	1/4 - 1/2 ESE	33	23

**UST:** The Underground Storage Tank database contains registered USTs. The data come from the Department of Environment & Natural Resources.

A review of the UST list, as provided by EDR, and dated 01/24/2006 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
US WEST COMMUNICATIONS	612 RUSHMORE RD	1/8 - 1/4 SW	10	10

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MAYERS RADIO	308 5TH ST	1/8 - 1/4 ESE	1	6
B & E AUTO SERVICE	525 5TH ST	1/8 - 1/4 SSE	A7	9
HUBBARD MILLING CO	426 OMAHA ST	1/8 - 1/4 ESE	9	10
SD SCHOOL OF MINES & TECH	501 E ST JOSEPH	1/8 - 1/4 SSE	B13	11
RAPID CITY JOURNAL COMPANY	5TH & ST JOESEPH ST	1/8 - 1/4 SSE	B14	12
FIRESTONE STORE # 29T6	425 MAIN ST	1/8 - 1/4 SE	C15	12
SERVALL TOWEL & LINEN	410 4TH ST	1/8 - 1/4 ESE	17	13

## EXECUTIVE SUMMARY

LAST: N/A.

A review of the LAST list, as provided by EDR, and dated 09/15/2006 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

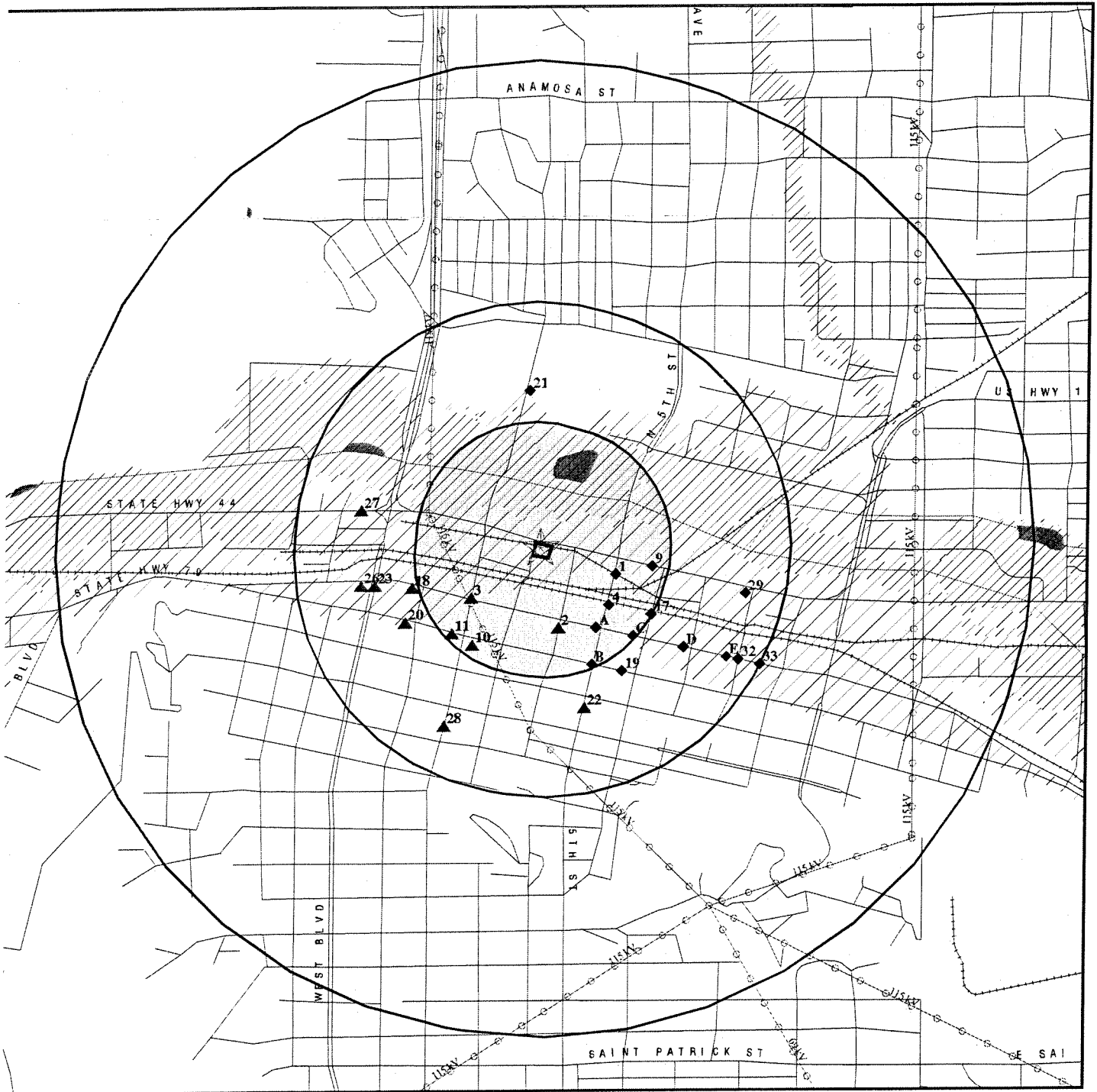
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MG OIL COMPANY Facility Status: Closed	1002 WEST MAIN STREET	1/4 - 1/2W	23	16

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
LEROY BARNHARDT	CERC-NFRAP
GHERE CONSTRUCTION	SWF/LF
RAPID CITY, CITY OF	SWF/LF
SOUTHSIDE CLEANERS	DRYCLEANERS, AIRS
FOOD SERVICES OF AMERICA	LUST
MORTON BUILDINGS	LUST
USDA FOREST SERVICE - PACTOLA	LUST
RAPID HIDE AND METAL SCRAPYARD	LUST
SCHOOL - RAPID CITY	LUST
KOTA RADIO STATION	LUST
NATIONAL COLLEGE - TANK SPILL	LUST
CONOCO TRAVEL PLAZA	LUST, SPILLS
BAKEN PARK PARTNERS - RADIO SHACK	LUST
BIG D OIL COMPANY	LUST
PENNINGTON COUNTY BUILDING AND GROUNDS	LUST
HOWARD JOHNSON MOTOR LODGE	LUST
ABANDONED TANK IN STREET	LUST
CHILDRENS HOME CENTER	LUST
J. F. ENGLANDS SONS INC	LUST
WHEATON COLLEGE SCIENCESTATION	LUST
DIVERSIFIED AUTO	LUST
I-90 AMOCO STATION #8729	LUST, SPILLS
CROWS TRUCK STOP	LUST
ABANDONED TANK PROJECT - STAR GAS	LUST
ROBERT KUHARSKI	LUST
HUBBARD MILLING	LUST
MOYLE - COMMON CENTS STORE - DAVID LARSON	LUST
BIG D OIL COMPANY	LUST
DELORIS HOLMBERG	LUST
OIL SPILL IN RAPID CREEK	LUST
BOBS MUFFLER AND BREAK SHOP	LUST
PENN CO HWY DEPT	UST
PENN CO HWY DEPT	UST
MYSTIC WORK CENTER	AST
WASTE WATER TREATMENT PLANT	AST
SCHOOL BUS BARN	AST
DEPT. OF SANITATION	AST
STAMPER BLACK HILLS GOLD JEWELERS	RCRA-SQG

# OVERVIEW MAP - 1807879.2s



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
- Landfill Sites
- Dept. Defense Sites

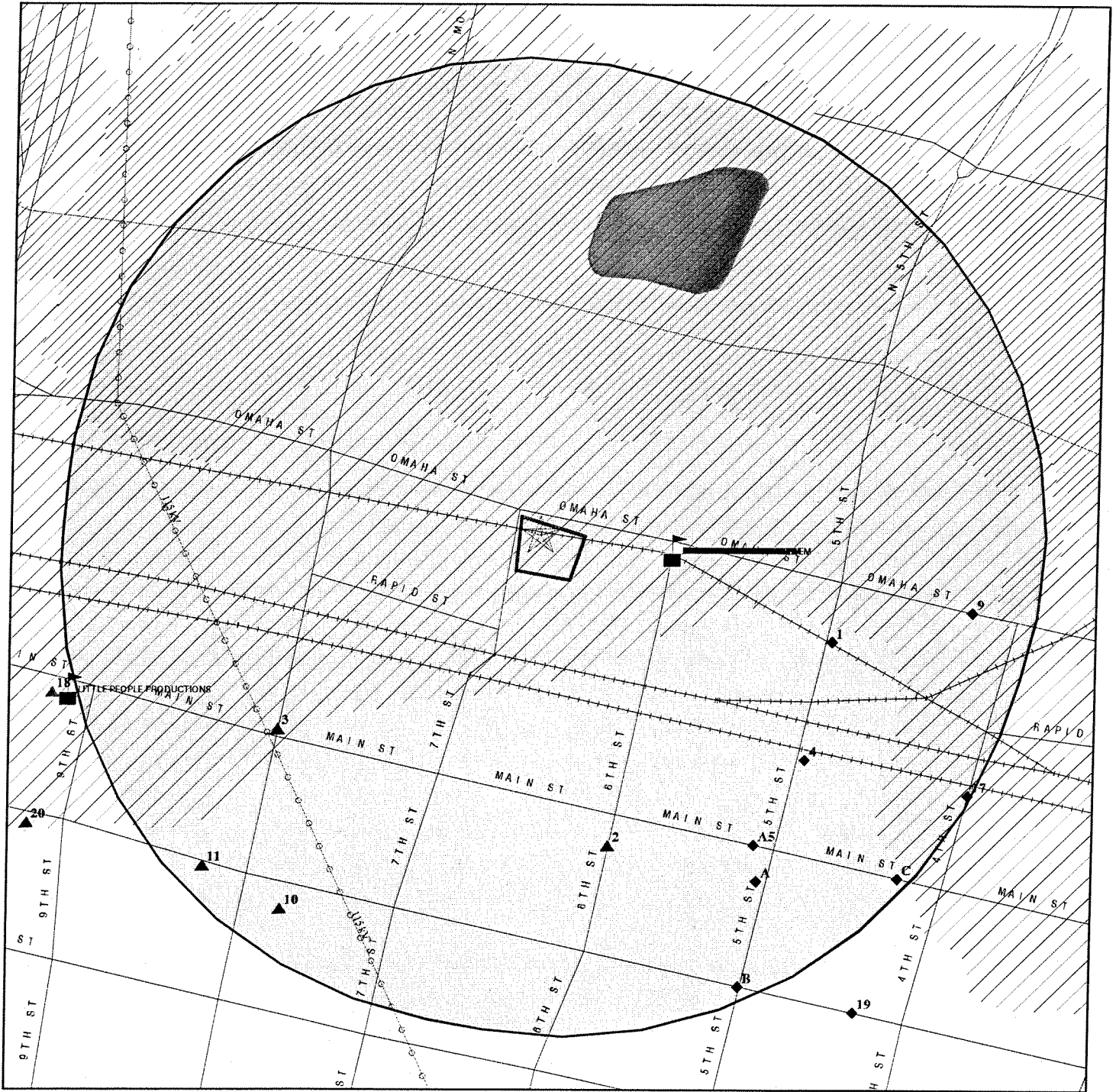
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory



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

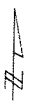
<p>SITE NAME: Sanfords Grub and Pub          ADDRESS: 306 7th Street          Rapid City SD 57701          LAT/LONG: 44.0832 / 103.2277</p>	<p>CLIENT: Vertex Engineering Services          CONTACT: Stephanie Gieck          INQUIRY #: 1807879.2s          DATE: December 01, 2006 12:34 pm</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------

# DETAIL MAP - 1807879.2s



- 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
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory



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

SITE NAME: Sanfords Grub and Pub  
 ADDRESS: 306 7th Street  
 Rapid City SD 57701  
 LAT/LONG: 44.0832 / 103.2277

CLIENT: Vertex Engineering Services  
 CONTACT: Stephanie Gieck  
 INQUIRY #: 1807879.2s  
 DATE: December 01, 2006 12:34 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	4	NR	NR	NR	4
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	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
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	5	15	NR	NR	20
UST		0.250	0	8	NR	NR	NR	8
LAST		0.500	0	0	1	NR	NR	1
AST		0.250	0	0	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

**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 FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

Database(s) EDR ID Number  
 EPA ID Number

**1**            **MAYERS RADIO**  
**ESE**            **308 5TH ST**  
**1/8-1/4**        **RAPID CITY, SD 57701**  
**773 ft.**

**UST**    **U002316892**  
           **N/A**

**Relative:**        **UST:**  
**Lower**            Facility ID:        02-00103  
                       Tank Type:        U  
**Actual:**            Lat/Long:        44.082443 / -103.224198  
**3223 ft.**            Method:            MAPN2724  
                       Reference:        Not reported  
                       Accuracy:        0

**2**            **ALEX JOHNSON HOTEL**  
**South**        **523 6TH STREET**  
**1/8-1/4**        **RAPID CITY, SD 57701**  
**777 ft.**

**LUST**    **S103765587**  
           **N/A**

**Relative:**        **SD LUST:**  
**Higher**            Facility ID:        91.644  
                       Facility Status:    **Open**  
**Actual:**            Site Type:        Lust Trust  
**3232 ft.**            Dept of Agruculture Number: Not reported  
                       Material:            heating fuel  
                       Quantity Spilled or Released: 0.00000  
                       Microfilm Roll Number:    KK  
                       PRCF Number:        1962  
                       Responsible Prty:    Tom Didier  
                       Consultant:        TCT  
                       Date Reported:      12/23/1991  
                       Spill Category:      Petroleum  
                       Date spilled:        Not reported  
                       Property Type:      Unknown(See Case File)  
                       Date Closed:        Not reported  
                       Clean Closure Letter: Not reported  
                       Source Type:        UST  
                       Reviewer:            DM  
                       Prior Reviewer:    Not reported  
                       Number of Tanks Removed: Not reported  
                       Date Removed:      Not reported  
                       Abandoned:        No  
                       Atp Number:        Not reported  
                       Number of Tanks Removed: No  
                       Images Exist:        Yes  
                       Lat/Long:            44.080183 / -103.226927  
                       Petroleum rel compensation fund category: 9

**3**            **WESTERN BUSINESS RESOURCES**  
**SW**            **318 MT. RUSHMORE RD**  
**1/8-1/4**        **RAPID CITY, SD 57701**  
**824 ft.**

**RCRA-SQG**    **1000891190**  
**FINDS**        **SD0000261164**

**Relative:**  
**Higher**

**Actual:**  
**3238 ft.**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**WESTERN BUSINESS RESOURCES (Continued)**

**1000891190**

RCRAInfo:  
 Owner: ALCO STANDARD CO.  
 (605) 341-6694  
 EPA ID: SD0000261164  
 Contact: PATRICK DEMARANVILLE  
 (605) 341-6694  
 Classification: Small Quantity Generator  
 TSD Activities: Not reported  
 Violation Status: No violations found

FINDS:  
 Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**4 THOMPSON FEED SERVICE**  
**SE 410 5TH STREET**  
**1/8-1/4 RAPID CITY, SD 57701**  
**857 ft.**

**LUST S103764621**  
**N/A**

Relative: Lower  
 Actual: 3225 ft.

SD LUST:  
 Facility ID: 93.343  
 Facility Status: Closed  
 Site Type: Other(See Case File)  
 Dept of Agruculture Number: Not reported  
 Material: Diesel  
 Quantity Spilled or Released: 20.00000  
 Microfilm Roll Number: PK  
 PRCF Number: Not reported  
 Responsible Prty: Layton Thompson  
 Consultant: Not reported  
 Date Reported: 10/22/1993  
 Spill Category: Petroleum  
 Date spilled: 10/21/1993  
 Property Type: Unknown(See Case File)  
 Date Closed: 06/21/1995  
 Clean Closure Letter: Not reported  
 Source Type: UST  
 Reviewer: TK  
 Prior Reviewer: Not reported  
 Number of Tanks Removed: Not reported  
 Date Removed: Not reported  
 Abandoned: No  
 Atp Number: Not reported  
 Number of Tanks Removed: No  
 Images Exist: Yes  
 Lat/Long: 44.083333 / -103.216667  
 Petroleum rel compensation fund category: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**A5**            **RAPID CITY JOURNAL CO INC**  
**SE**            **507 MAIN ST**  
**1/8-1/4**       **RAPID CITY, SD 57701**  
**937 ft.**

**RCRA-SQG**    **1000472192**  
**FINDS**       **SDD007498389**

**Site 1 of 4 in cluster A**

**Relative:**  
**Lower**

**RCRAInfo:**  
 Owner:            **DAVID LEONE**  
                           (605) 394-8303  
 EPA ID:            **SDD007498389**  
 Contact:           **MARK GIBBENS**  
                           (605) 394-8399  
  
 Classification:    **Small Quantity Generator**  
 TSDF Activities:   **Not reported**  
  
 Violation Status: **No violations found**

**Actual:**  
**3228 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**A6**            **COWLES MEDIA COMPANY - JOURNAL**  
**SSE**           **525 5TH STREET**  
**1/8-1/4**       **RAPID CITY, SD 57701**  
**1028 ft.**

**LUST**    **S105257952**  
**N/A**

**Site 2 of 4 in cluster A**

**Relative:**  
**Lower**

**SD LUST:**  
 Facility ID:            **91.375**  
 Facility Status:        **Closed**  
 Site Type:             **Other(See Case File)**  
 Dept of Agruculture Number: **Not reported**  
 Material:              **Petroleum**  
 Quantity Spilled or Released: **0.00000**  
 Microfilm Roll Number: **LB**  
 PRCF Number:         **Not reported**  
 Responsible Prty:      **Cowles Media Company**  
 Consultant:            **TCT**  
 Date Reported:         **08/20/1991**  
 Spill Category:        **Petroleum**  
 Date spilled:           **Not reported**  
 Property Type:         **Unknown(See Case File)**  
 Date Closed:           **03/29/1994**  
 Clean Closure Letter: **Not reported**  
 Source Type:           **UST**  
 Reviewer:              **BL**  
 Prior Reviewer:       **Not reported**  
 Number of Tanks Removed: **Not reported**  
 Date Removed:        **Not reported**  
 Abandoned:           **No**  
 Atp Number:           **Not reported**

**Actual:**  
**3228 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

COWLES MEDIA COMPANY - JOURNAL (Continued)

EDR ID Number  
EPA ID Number

Database(s)

Number of Tanks Removed: No  
Images Exist: Yes  
Lat/Long: 44.080353 / -103.224900  
Petroleum rel compensation fund category: Not reported

S105257952

A7  
SSE  
1/8-1/4  
1028 ft.

B & E AUTO SERVICE  
525 5TH ST  
RAPID CITY, SD

UST U003544278  
N/A

Site 3 of 4 in cluster A

Relative:  
Lower

UST:  
Facility ID: 02-00316  
Tank Type: U  
Lat/Long: 44.080353 / -103.2249  
Method: MAPN2724  
Reference: Not reported  
Accuracy: 0

Actual:  
3228 ft.

A8  
SSE  
1/8-1/4  
1028 ft.

RCJ REALESTATE INC. GARAGE SITE  
525 FIFTH STREET  
RAPID CITY, SD 57701

RCRA-SQG 1000695882  
FINDS SDD987670221

Site 4 of 4 in cluster A

Relative:  
Lower

RCRAInfo:  
Owner: RCJ REAL ESTATE INC C/O COWLES  
(612) 673-7100  
EPA ID: SDD987670221  
Contact: KAREN LARSON  
(612) 673-7100  
Classification: Small Quantity Generator  
TSD Activities: Not reported  
Violation Status: No violations found

Actual:  
3228 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site

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Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**B12** SOUTH DAKOTA SCHOOL OF MINES  
**SSE** 501 E. ST. JOSEPH STREET  
**1/8-1/4** RAPID CITY, SD 57701  
**1277 ft.**

**LUST** S106106342  
N/A

Site 1 of 3 in cluster B

Relative:  
Lower

SD LUST:

Actual:  
3230 ft.

Facility ID: 91.341  
Facility Status: Closed  
Site Type: Other(See Case File)  
Dept of Agruculture Number: Not reported  
Material: Gasoline  
Quantity Spilled or Released: 0.00000  
Microfilm Roll Number: DP  
PRCF Number: Not reported  
Responsible Prty: S.D. School Of Mines And Technology  
Consultant: Maxim  
Date Reported: 08/05/1991  
Spill Category: Petroleum  
Date spilled: Not reported  
Property Type: Unknown(See Case File)  
Date Closed: 09/30/1996  
Clean Closure Letter: Not reported  
Source Type: UST  
Reviewer: JN  
Prior Reviewer: WH  
Number of Tanks Removed: Not reported  
Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: Yes  
Lat/Long: 44.074444 / -103.203611  
Petroleum rel compensation fund category: Not reported

**B13** SD SCHOOL OF MINES & TECH  
**SSE** 501 E ST JOSEPH  
**1/8-1/4** RAPID CITY, SD 57701  
**1278 ft.**

**UST** U002316939  
N/A

Site 2 of 3 in cluster B

Relative:  
Lower

UST:

Actual:  
3230 ft.

Facility ID: 02-00049  
Tank Type: U  
Lat/Long: 44.075934 / -103.206682  
Method: MAPN2724  
Reference: Not reported  
Accuracy: 0

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>B14</b> <b>SSE</b> <b>1/8-1/4</b> <b>1278 ft.</b>	<b>RAPID CITY JOURNAL COMPANY</b> <b>5TH &amp; ST JOESEPH ST</b> <b>RAPID CITY, SD 57701</b>  Site 3 of 3 in cluster B	<b>UST</b>	<b>U002316926</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	UST: Facility ID: 02-00309 Tank Type: U Lat/Long: 44.079418 / -103.225007 Method: MAPN2724 Reference: Not reported Accuracy: 0		
<b>Actual:</b> <b>3230 ft.</b>			
<hr/>			
<b>C15</b> <b>SE</b> <b>1/8-1/4</b> <b>1285 ft.</b>	<b>FIRESTONE STORE # 29T6</b> <b>425 MAIN ST</b> <b>RAPID CITY, SD 57701</b>  Site 1 of 2 in cluster C	<b>UST</b>	<b>U002316860</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	UST: Facility ID: 02-00196 Tank Type: U Lat/Long: 44.08037 / -103.223058 Method: MAPN2724 Reference: Not reported Accuracy: 0		
<b>Actual:</b> <b>3224 ft.</b>			
<hr/>			
<b>C16</b> <b>SE</b> <b>1/8-1/4</b> <b>1285 ft.</b>	<b>FIRESTONE STORE # 3254</b> <b>425 MAIN STREET</b> <b>RAPID CITY, SD 57701</b>  Site 2 of 2 in cluster C	<b>LUST</b>	<b>S105742182</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	SD LUST: Facility ID: 2000.213 Facility Status: <b>Closed</b> Site Type: Other(See Case File) Dept of Agruculture Number: Not reported Material: Waste Oil Quantity Spilled or Released: 0.00000 Microfilm Roll Number: BM PRCF Number: Not reported Responsible Prty: Bridgestone/Firestone Consultant: Handex Environmental Date Reported: 06/29/2000 Spill Category: Petroleum Date spilled: Not reported Property Type: Unknown(See Case File) Date Closed: 08/25/2000 Clean Closure Letter: Not reported Source Type: UST Reviewer: JN Prior Reviewer: Not reported Number of Tanks Removed: Not reported Date Removed: Not reported Abandoned: No Atp Number: Not reported		
<b>Actual:</b> <b>3224 ft.</b>			

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**FIRESTONE STORE # 3254 (Continued)**

**S105742182**

Number of Tanks Removed: No  
 Images Exist: Yes  
 Lat/Long: 44.080370 / -103.223058  
 Petroleum rel compensation fund category: Not reported

**17**      **SERVALL TOWEL & LINEN**  
**ESE**      **410 4TH ST**  
**1/8-1/4**      **RAPID CITY, SD 57701**  
**1309 ft.**

**UST**      **U002316942**  
**N/A**

**Relative:**      **UST:**  
**Lower**      Facility ID:      02-00131  
                  Tank Type:      U  
**Actual:**      Lat/Long:      44.080929 / -103.222844  
**3222 ft.**      Method:      MAPN2724  
                  Reference:      Not reported  
                  Accuracy:      0

**18**      **JIMS AUTO SALES**  
**WSW**      **926 MAIN STREET**  
**1/4-1/2**      **RAPID CITY, SD 57701**  
**1384 ft.**

**LUST**      **S103766171**  
**N/A**

**Relative:**      **SD LUST:**  
**Higher**      Facility ID:      96.009  
                  **Facility Status:**      **Monitoring**  
**Actual:**      Site Type:      Lust Trust  
**3240 ft.**      Dept of Agruculture Number:      Not reported  
                  Material:      Gasoline  
                  Quantity Spilled or Released:      0.00000  
                  Microfilm Roll Number:      JN  
                  PRCF Number:      2959  
                  Responsible Prty:      Shirley Crawford  
                  Consultant:      Maxim  
                  Date Reported:      01/16/1996  
                  Spill Category:      Petroleum  
                  Date spilled:      Not reported  
                  Property Type:      Unknown(See Case File)  
                  Date Closed:      Not reported  
                  Clean Closure Letter:      Not reported  
                  Source Type:      UST  
                  Reviewer:      JN  
                  Prior Reviewer:      Not reported  
                  Number of Tanks Removed:      Not reported  
                  Date Removed:      Not reported  
                  Abandoned:      No  
                  Atp Number:      Not reported  
                  Number of Tanks Removed:      No  
                  Images Exist:      No  
                  Lat/Long:      44.082542 / -103.233472  
                  Petroleum rel compensation fund category: 9



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)      EDR ID Number  
 EPA ID Number

**19**      **MR. NIFTY CLEANERS**  
**SSE**      **430 ST. JOSEPH ST**  
**1/4-1/2**      **RAPID CITY, SD 57701**  
**1500 ft.**

**RCRA-SQG**      **1000695878**  
**FINDS**      **SDD987670171**  
**LUST**

**Relative:**  
**Lower**

RCRAInfo:  
 Owner:      JOHN GOLDADE  
                  (605) 342-9796

**Actual:**  
**3228 ft.**

EPA ID:      SDD987670171  
 Contact:      CURTIS JENSEN  
                  (605) 342-2814

Classification: Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

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**SD LUST:**

Facility ID:      91.568  
**Facility Status:**      **Open**  
 Site Type:      Lust Trust  
 Dept of Agriculture Number: Not reported  
 Material:      Waste Oil & Gas  
 Quantity Spilled or Released: 0.00000  
 Microfilm Roll Number: PK  
 PRCF Number:      1826  
 Responsible Prty:      John Goldade  
 Consultant:      Not reported  
 Date Reported:      12/13/1991  
 Spill Category:      Petroleum  
 Date spilled:      Not reported  
 Property Type:      Unknown(See Case File)  
 Date Closed:      Not reported  
 Clean Closure Letter: Not reported  
 Source Type:      UST  
 Reviewer:      DM  
 Prior Reviewer:      Not reported  
 Number of Tanks Removed: Not reported  
 Date Removed:      Not reported  
 Abandoned:      No  
 Atp Number:      Not reported  
 Number of Tanks Removed: No  
 Images Exist:      No  
 Lat/Long:      44.080577 / -103.228924  
 Petroleum rel compensation fund category: 9

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)      EDR ID Number  
 EPA ID Number

**20**            **FIRST FEDERAL PROPERTY**  
**WSW**        **909 ST. JOSEPH STREET**  
**1/4-1/2**      **RAPID CITY, SD 57701**  
**1587 ft.**

**LUST**      **S105599181**  
                  **N/A**

**Relative:**  
**Higher**

**SD LUST:**

Facility ID:                    2001.729  
 Facility Status:              **Closed**  
 Site Type:                    Other(See Case File)  
 Dept of Agruculture Number: Not reported  
 Material:                     Petroleum  
 Quantity Spilled or Released: 0.00000  
 Microfilm Roll Number:      BM  
 PRCF Number:                Not reported  
 Responsible Prty:             Century Property Management - Bob Smith  
 Consultant:                  AET  
 Date Reported:                12/19/2001  
 Spill Category:                Petroleum  
 Date spilled:                 Not reported  
 Property Type:                Unknown(See Case File)  
 Date Closed:                 01/11/2002  
 Clean Closure Letter:        Not reported  
 Source Type:                 UST  
 Reviewer:                    DR  
 Prior Reviewer:              Not reported  
 Number of Tanks Removed: Not reported  
 Date Removed:                Not reported  
 Abandoned:                 No  
 Atp Number:                 Not reported  
 Number of Tanks Removed: No  
 Images Exist:                Yes  
 Lat/Long:                    44.080833 / -103.235556  
 Petroleum rel compensation fund category: Not reported

**21**            **COMMON ENERGY PLANT**  
**North**       **434 N. MT. RUSHMORE ROAD**  
**1/4-1/2**      **RAPID CITY, SD 57701**  
**1668 ft.**

**LUST**      **S105257922**  
                  **N/A**

**Relative:**  
**Lower**

**SD LUST:**

Facility ID:                    94.334  
 Facility Status:              **Closed**  
 Site Type:                    Other(See Case File)  
 Dept of Agruculture Number: Not reported  
 Material:                     Heating Oil #2  
 Quantity Spilled or Released: 0.00000  
 Microfilm Roll Number:      GS  
 PRCF Number:                Not reported  
 Responsible Prty:             Rapid City Public Works Dept.  
 Consultant:                  Flannery, FMG  
 Date Reported:                04/28/1994  
 Spill Category:                Petroleum  
 Date spilled:                 Not reported  
 Property Type:                Unknown(See Case File)  
 Date Closed:                 09/16/1996  
 Clean Closure Letter:        Not reported  
 Source Type:                 UST  
 Reviewer:                    TK  
 Prior Reviewer:              Not reported  
 Number of Tanks Removed: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COMMON ENERGY PLANT (Continued)

S105257922

Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: Yes  
Lat/Long: 44.091328 / -103.222195  
Petroleum rel compensation fund category: Not reported

22  
SSE  
1/4-1/2  
1703 ft.

RAPID CITY FEDERAL CREDIT UNION  
725 5TH STREET  
RAPID CITY, SD 57701

LUST S106775159  
N/A

Relative:  
Higher

Actual:  
3234 ft.

SD LUST:  
Facility ID: 96.051  
Facility Status: Closed  
Site Type: Other(See Case File)  
Dept of Agruculture Number: Not reported  
Material: Petroleum/Gasoline  
Quantity Spilled or Released: 0.00000  
Microfilm Roll Number: PK  
PRCF Number: 3009  
Responsible Prty: Rapid City Federal Credit Union  
Consultant: Maxim  
Date Reported: 03/12/1996  
Spill Category: Petroleum  
Date spilled: Not reported  
Property Type: Commercial  
Date Closed: 06/10/2002  
Clean Closure Letter: Not reported  
Source Type: UST  
Reviewer: JB  
Prior Reviewer: TA, MK, MM  
Number of Tanks Removed: Not reported  
Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: Yes  
Lat/Long: 44.077854 / -103.225875  
Petroleum rel compensation fund category: 3

23  
West  
1/4-1/2  
1777 ft.

MG OIL COMPANY  
1002 WEST MAIN STREET  
RAPID CITY, SD 57702

LAST S106107466  
N/A

Relative:  
Higher

Actual:  
3244 ft.

SD LAST:  
Facility ID: 90.202  
Facility Status: Closed  
Site Type: Other(See Case File)  
Dept of Agruculture Number: Not reported  
Material: Motor Oil  
Quantity Spilled or Released: 0.00000  
Microfilm Roll Number: GS  
PRCF Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MG OIL COMPANY (Continued)

S106107466

Responsible Prty: MG OIL COMPANY  
Consultant: TCT  
Date Reported: 05/30/1990  
Spill Category: Petroleum  
Date spilled: Not reported  
Property Type: Unknown(See Case File)  
Date Closed: 01/13/1992  
Clean Closure Letter: Not reported  
Source Type: AST  
Reviewer: KK  
Prior Reviewer: Not reported  
Tanks Removed: Not reported  
Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Regulated Tank: No  
Images Exist: Yes  
Lat/Long: 44.081987 / -103.234318  
Petroleum rel compensation fund category: Not reported

D24 STOCKMANS BOAT SHOP  
ESE 317 MAIN STREET  
1/4-1/2 RAPID CITY, SD 57701  
1803 ft.

LUST S104547578  
N/A

Site 1 of 2 in cluster D

Relative:  
Lower

SD LUST:  
Facility ID: 91.432  
Facility Status: Open  
Site Type: Lust Trust  
Dept of Agruculture Number: Not reported  
Material: gasoline  
Quantity Spilled or Released: 0.00000  
Microfilm Roll Number: LB  
PRCF Number: 1635  
Responsible Prty: Monte Birdsall  
Consultant: Twin City Testing  
Date Reported: 09/18/1991  
Spill Category: Petroleum  
Date spilled: Not reported  
Property Type: Commercial  
Date Closed: Not reported  
Clean Closure Letter: Not reported  
Source Type: UST  
Reviewer: DM  
Prior Reviewer: Not reported  
Number of Tanks Removed: Not reported  
Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: No  
Lat/Long: 44.080992 / -103.227387  
Petroleum rel compensation fund category: 9

Actual:  
3217 ft.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D25**      **RAPID CITY LAUNDRY AND DRY CLEANERS**  
**ESE**      **312 MAIN ST**  
**1/4-1/2**    **RAPID CITY, SD 57701**  
**1822 ft.**

**RCRA-SQG**    **1000247522**  
**FINDS**      **SDD980956668**  
**LUST**  
**DRYCLEANERS**  
**AIRS**

Relative:  
 Lower

Actual:  
 3217 ft.

**Site 2 of 2 in cluster D**  
 RCRAInfo:  
     Owner:           MARILYN SIMMONS  
                           (605) 342-0191  
     EPA ID:          SDD980956668  
     Contact:         GENE WILLIAMS  
                           (605) 342-0191  
     Classification:   Small Quantity Generator  
     TSDF Activities: Not reported  
     Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

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**SD LUST:**

Facility ID:                   94.037  
**Facility Status:**         **Open**  
 Site Type:                   Lust Trust  
 Dept of Agruculture Number: Not reported  
 Material:                    Petroleum  
 Quantity Spilled or Released: 0.00000  
 Microfilm Roll Number:     JA  
 PRCF Number:               2637  
 Responsible Prty:          Gene Williams  
 Consultant:                 FMG  
 Date Reported:              03/10/1994  
 Spill Category:             Petroleum  
 Date spilled:                Not reported  
 Property Type:              Unknown(See Case File)  
 Date Closed:                Not reported  
 Clean Closure Letter:      Not reported  
 Source Type:                UST  
 Reviewer:                    JN  
 Prior Reviewer:             Not reported  
 Number of Tanks Removed: Not reported  
 Date Removed:              Not reported  
 Abandoned:                 No  
 Atp Number:                 Not reported  
 Number of Tanks Removed: No  
 Images Exist:                No  
 Lat/Long:                    44.080502 / -103.221208  
 Petroleum rel compensation fund category: 9

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**RAPID CITY LAUNDRY AND DRY CLEANERS (Continued)**

**1000247522**

**Drycleaners:**

Permit Number: AREA 1046  
 Permit Type: Area  
 Contact Name: Gene Williams  
 Contact Phone: 6053420191  
 Mail Address: 312 Main St  
 Mail City/ST/Zip: Rapid City,SD 57701  
 SIC Code: 0

**SD AIRS:**

Permit Number: AREA 1046  
 Permit Type: Area  
 Contact Name: Gene Williams  
 Contact Phone: 605-342-0191  
 Mail Address: 312 Main St  
 Mail City,State,Zip: Rapid City, SD 57701  
 Latitude: Not reported  
 Longitude: Not reported  
 SIC Code: 0  
 Issue Date: - -  
 Expiration Date: - -

**26**  
**West**  
**1/4-1/2**  
**1923 ft.**

**ABANDONED TANK PROJECT - FISK ENGINEERING PROPERTY**  
**1030 WEST MAIN STREET**  
**RAPID CITY, SD 57701**

**LUST S105741278**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**3245 ft.**

**SD LUST:**

Facility ID: 2000.231  
 Facility Status: Open  
 Site Type: ATP  
 Dept of Agriculture Number: Not reported  
 Material: petroleum  
 Quantity Spilled or Released: 0.00000  
 Microfilm Roll Number: KM  
 PRCF Number: 4161  
 Responsible Prty: ATP - Warren Fisk  
 Consultant: AET  
 Date Reported: 07/13/2000  
 Spill Category: Petroleum  
 Date spilled: Not reported  
 Property Type: Commercial  
 Date Closed: Not reported  
 Clean Closure Letter: Not reported  
 Source Type: UST  
 Reviewer: NS  
 Prior Reviewer: Not reported  
 Number of Tanks Removed: 2 - 570 gallon 1 - 1000 gallon  
 Date Removed: Not reported  
 Abandoned: No  
 Atp Number: 237  
 Number of Tanks Removed: No  
 Images Exist: No  
 Lat/Long: 44.082222 / -103.236389  
 Petroleum rel compensation fund category: 5

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

<b>27</b>	<b>APPLIANCE WAREHOUSE</b>	<b>LUST</b>	<b>S104489742</b>
<b>West</b>	<b>1017 WEST OMAHA</b>		<b>N/A</b>
<b>1/4-1/2</b>	<b>RAPID CITY, SD 57701</b>		
<b>1946 ft.</b>			

<b>Relative:</b>	<b>SD LUST:</b>	
<b>Higher</b>	Facility ID:	91.642
	Facility Status:	Open
<b>Actual:</b>	Site Type:	Lust Trust
<b>3233 ft.</b>	Dept of Agruculture Number:	Not reported
	Material:	petroleum
	Quantity Spilled or Released:	0.00000
	Microfilm Roll Number:	GN
	PRCF Number:	1961
	Responsible Prty:	Leonard Mamola
	Consultant:	FMG, RESPEC
	Date Reported:	12/23/1991
	Spill Category:	Petroleum
	Date spilled:	Not reported
	Property Type:	Unknown(See Case File)
	Date Closed:	Not reported
	Clean Closure Letter:	Not reported
	Source Type:	UST
	Reviewer:	JN
	Prior Reviewer:	BL
	Number of Tanks Removed:	Not reported
	Date Removed:	Not reported
	Abandoned:	No
	Atp Number:	Not reported
	Number of Tanks Removed:	No
	Images Exist:	No
	Lat/Long:	44.083866 / -103.234814
	Petroleum rel compensation fund category:	9

<b>28</b>	<b>AMOCO #5068 - BOBS AMOCO</b>	<b>LUST</b>	<b>S105741891</b>
<b>SSW</b>	<b>721 MT. RUSHMORE ROAD</b>		<b>N/A</b>
<b>1/4-1/2</b>	<b>RAPID CITY, SD 57701</b>		
<b>2113 ft.</b>			

<b>Relative:</b>	<b>SD LUST:</b>	
<b>Higher</b>	Facility ID:	90.467
	Facility Status:	No Further Action
<b>Actual:</b>	Site Type:	Other(See Case File)
<b>3255 ft.</b>	Dept of Agruculture Number:	Not reported
	Material:	Petroleum
	Quantity Spilled or Released:	0.00000
	Microfilm Roll Number:	KK
	PRCF Number:	160
	Responsible Prty:	BP PRODUCTS NORTH AMERICAN INC
	Consultant:	Delta, FMG/Maxim
	Date Reported:	09/26/1990
	Spill Category:	Petroleum
	Date spilled:	Not reported
	Property Type:	Unknown(See Case File)
	Date Closed:	01/28/2002
	Clean Closure Letter:	Not reported
	Source Type:	UST
	Reviewer:	GH
	Prior Reviewer:	BL
	Number of Tanks Removed:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

AMOCO #5068 - BOBS AMOCO (Continued)

S105741891

Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: Yes  
Lat/Long: 44.078705 / -103.231537  
Petroleum rel compensation fund category: Not reported

29 BREKHUS BUICK AUTO SALES  
ESE OMAHA 201  
1/4-1/2 RAPID CITY, SD 57701  
2210 ft.

LUST S103764722  
N/A

Relative: SD LUST:  
Lower Facility ID: 91.023  
Facility Status: Closed  
Actual: Site Type: Other(See Case File)  
3209 ft. Dept of Agruculture Number: Not reported  
Material: Petroleum  
Quantity Spilled or Released: 25.00000  
Microfilm Roll Number: PK  
PRCF Number: Not reported  
Responsible Prty: Jim Brekhus  
Consultant: TCT  
Date Reported: 01/17/1991  
Spill Category: Petroleum  
Date spilled: Not reported  
Property Type: Unknown(See Case File)  
Date Closed: 03/28/1991  
Clean Closure Letter: Not reported  
Source Type: UST  
Reviewer: PK  
Prior Reviewer: Not reported  
Number of Tanks Removed: Not reported  
Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: Yes  
Lat/Long: 44.081719 / -103.218724  
Petroleum rel compensation fund category: Not reported

E30 FORMER PATRONS COOP  
ESE 224 MAIN STREET  
1/4-1/2 RAPID CITY, SD 57701  
2269 ft.

LUST S105816587  
N/A

Relative: Site 1 of 2 in cluster E  
Lower SD LUST:  
Actual: Facility ID: 89.312  
3214 ft. Facility Status: Open  
Site Type: Lust Trust  
Dept of Agruculture Number: Not reported  
Material: Gasoline Diesel Kero  
Quantity Spilled or Released: 0.00000  
Microfilm Roll Number: KD



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

FORMER PATRONS COOP (Continued)

S105816587

PRCF Number: 125  
Responsible Prty: Patrons Coop  
Consultant: AET, Maxim, FMG  
Date Reported: 11/29/1989  
Spill Category: Petroleum  
Date spilled: Not reported  
Property Type: Unknown(See Case File)  
Date Closed: Not reported  
Clean Closure Letter: Not reported  
Source Type: UST  
Reviewer: DM  
Prior Reviewer: BL,JN  
Number of Tanks Removed: Not reported  
Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: No  
Lat/Long: 44.080735 / -103.221934  
Petroleum rel compensation fund category: 9

E31  
ESE  
1/4-1/2  
2386 ft.

FORMER DWIGHTS SERVICE  
202 MAIN STREET  
RAPID CITY, SD 57701

LUST S105741574  
N/A

Site 2 of 2 in cluster E

Relative:  
Lower

SD LUST:  
Facility ID: 95.016  
Facility Status: Open  
Site Type: Lust Trust  
Dept of Agruculture Number: Not reported  
Material: Gasoline  
Quantity Spilled or Released: 0.00000  
Microfilm Roll Number: JN  
PRCF Number: Not reported  
Responsible Prty: Don Peterson  
Consultant: Not reported  
Date Reported: 01/18/1995  
Spill Category: Petroleum  
Date spilled: Not reported  
Property Type: Unknown(See Case File)  
Date Closed: Not reported  
Clean Closure Letter: Not reported  
Source Type: UST  
Reviewer: JN  
Prior Reviewer: Not reported  
Number of Tanks Removed: Not reported  
Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: No  
Lat/Long: 44.080819 / -103.219296  
Petroleum rel compensation fund category: 9

Actual:  
3213 ft.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)      EDR ID Number  
 EPA ID Number

**32**      **DON PETERSON - CREAMERY MALL**  
**ESE**      **201 MAIN STREET**  
**1/4-1/2**      **RAPID CITY, SD 57701**  
**2397 ft.**

**LUST**      **S103764491**  
                  **N/A**

**Relative:**      **SD LUST:**  
**Lower**              Facility ID:              93.144  
                          Facility Status:          **Monitoring**  
**Actual:**              Site Type:              Lust Trust  
**3213 ft.**              Dept of Agruculture Number: Not reported  
                          Material:                  Gasoline  
                          Quantity Spilled or Released: 0.00000  
                          Microfilm Roll Number: GS  
                          PRCF Number:          Not reported  
                          Responsible Prty:      Don Peterson  
                          Consultant:              Not reported  
                          Date Reported:          05/28/1993  
                          Spill Category:          Petroleum  
                          Date spilled:              Not reported  
                          Property Type:          Unknown(See Case File)  
                          Date Closed:              Not reported  
                          Clean Closure Letter:   Not reported  
                          Source Type:              UST  
                          Reviewer:                  JN  
                          Prior Reviewer:          Not reported  
                          Number of Tanks Removed: Not reported  
                          Date Removed:          Not reported  
                          Abandoned:              No  
                          Atp Number:              Not reported  
                          Number of Tanks Removed: No  
                          Images Exist:              No  
                          Lat/Long:                  44.083333 / -103.216667  
                          Petroleum rel compensation fund category: 9

**33**      **DUANE MEYER REPAIR**  
**ESE**      **151 MAIN STREET**  
**1/4-1/2**      **HILL CITY, SD 57745**  
**2633 ft.**

**LUST**      **S103766153**  
                  **N/A**

**Relative:**      **SD LUST:**  
**Lower**              Facility ID:              91.369  
                          Facility Status:          **Closed**  
**Actual:**              Site Type:              Other(See Case File)  
**3210 ft.**              Dept of Agruculture Number: Not reported  
                          Material:                  Petroleum  
                          Quantity Spilled or Released: 0.00000  
                          Microfilm Roll Number: PK  
                          PRCF Number:          Not reported  
                          Responsible Prty:      Duane Meyer  
                          Consultant:              FMG, Maxim  
                          Date Reported:          08/16/1991  
                          Spill Category:          Petroleum  
                          Date spilled:              Not reported  
                          Property Type:          Unknown(See Case File)  
                          Date Closed:              05/08/1996  
                          Clean Closure Letter:   Not reported  
                          Source Type:              UST  
                          Reviewer:                  DM  
                          Prior Reviewer:          Not reported  
                          Number of Tanks Removed: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

Database(s) EDR ID Number  
EPA ID Number

**DUANE MEYER REPAIR (Continued)**

**S103766153**

Date Removed: Not reported  
Abandoned: No  
Atp Number: Not reported  
Number of Tanks Removed: No  
Images Exist: Yes  
Lat/Long: 43.933333 / -103.583333  
Petroleum rel compensation fund category: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HILL CITY	U002316763	PENN CO HWY DEPT	MAIN STREET	57701	UST
NEW UNDERWOOD	U002316780	PENN CO HWY DEPT	3601 S HWY 79	57701	UST
RAPID CITY	S106246910	FOOD SERVICES OF AMERICA	I-90 / ST. PATRICK STREET EXIT	57701	UST
RAPID CITY	S106247047	MORTON BUILDINGS	I-90 / SAINT PATRICK	57701	UST
RAPID CITY	1000302282	STAMPER BLACK HILLS GOLD JEWELERS	HWY 16 SOUTH RT HCR 39 BOX 409	57701	RCRA-SQG
RAPID CITY	1003877556	LEROY BARNHARDT	HIGHWAY 44 EAST	57701	CERC-NFRAP
RAPID CITY	S103764675	USDA FOREST SERVICE - PACTOLA	HIGHWAY 44	57701	AST
RAPID CITY	A100213710	MYSTIC WORK CENTER	HWY 44 RIMROCK RD	57701	LUST
RAPID CITY	S103765131	RAPID HIDE AND METAL SCRAPYARD	HIGHWAY 79 SOUTH	57701	LUST
RAPID CITY	S103766000	SCHOOL - RAPID CITY	HIGHWAY 79 S. 410	57701	LUST
RAPID CITY	S106775120	KOTA RADIO STATION	HWY 79 APPROX. 1 MILE SOUTH OF U.S. 16 BYPASS	57701	LUST
RAPID CITY	S106775095	NATIONAL COLLEGE - TANK SPILL	ALLEY ON THE CORNER OF 2ND AND KANSAS STREET	57701	LUST
RAPID CITY	S105741913	CONOCO TRAVEL PLAZA	I-90 AND ST. PATRICK STREET	57701	LUST
RAPID CITY	S106775131	BAKEN PARK PARTNERS - RADIO SHACK	BAKEN PARK WEST MAIN STREET	57701	LUST, SPILLS
RAPID CITY	S104489427	BIG D OIL COMPANY	WEST CHICAGO AND STURGIS ROAD	57701	LUST
RAPID CITY	S106774919	PENNINGTON COUNTY BUILDING AND GROUNDS	CORNER OF 4TH AND ST. JOSEPH	57701	LUST
RAPID CITY	S106775001	HOWARD JOHNSON MOTOR LODGE	NORTHWEST CORNER OF I-90 AND LACROSSE STREET	57701	LUST
RAPID CITY	S106775033	ABANDONED TANK IN STREET	NORTHEAST CORNER OF OMAHA AND 6TH STREET	57701	LUST
RAPID CITY	S103764847	CHILDRENS HOME CENTER	COUNTY ROAD 365	57701	LUST
RAPID CITY	S103764549	J. F. ENGLANDS SONS INC	900 S. HIGHWAY 79	57701	LUST
RAPID CITY	S103765022	WHEATON COLLEGE SCIENCESTATION	WEST HIGHWAY 44	57701	LUST
RAPID CITY	A100056561	WASTE WATER TREATMENT PLANT	E. HWY 44	57701	LUST
RAPID CITY	A100287827	SCHOOL BUS BARN	SOUTH HWY 79	57701	AST
RAPID CITY	S103764814	DIVERSIFIED AUTO	S. HWY. 79	57701	AST
RAPID CITY	S105600248	I-90 AMOCO STATION #8729	I-90	57701	LUST
RAPID CITY	S106195011	HERE CONSTRUCTION	3 MILES NORTH OF BOX ELDER	57701	LUST, SPILLS
RAPID CITY	S106775107	CROWS TRUCK STOP	I-90: NEAR ST. PATRICK STREET EXIT	57701	SWF/LF
RAPID CITY	S105259601	ABANDONED TANK PROJECT - STAR GAS	1904 EAST NORTH STREET	57701	LUST
RAPID CITY	S106247080	ROBERT KUHARSKI	SE OF HWY 385 / 44	57701	LUST
RAPID CITY	S103766374	HUBBARD MILLING	OMAHA STREET	57701	LUST
RAPID CITY	S105816693	MOYLE - COMMON CENTS STORE - DAVID LARSON	1129 OMAHA	57701	LUST
RAPID CITY	S105816772	BIG D OIL COMPANY	1108 OMAHA STREET	57701	LUST
RAPID CITY	S105818015	DELORIS HOLMBERG	1001 OMAHA	57701	LUST
RAPID CITY	S106895090	SOUTHSIDE CLEANERS	338 ST PATRICK STREET	57701	LUST
RAPID CITY	A100056541	DEPT. OF SANITATION	RAPID CITY LANDFILL	57701	DRYCLEANERS, AIRS
RAPID CITY	S106775356	OIL SPILL IN RAPID CREEK	RAPID CREEK	57701	AST
RAPID CITY	S103765193	BOBS MUFFLER AND BREAK SHOP	1322 RUSHMORE ROAD	57701	LUST
RAPID CITY	S106527712	RAPID CITY, CITY OF	1 MI SOUTH OF RAPID CITY ON HWY 79	57701	SWF/LF

## 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.

### FEDERAL RECORDS

#### **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: 09/27/2006	Source: EPA
Date Data Arrived at EDR: 11/01/2006	Telephone: N/A
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 11/01/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/29/2007
	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 3  
Telephone 215-814-5418

EPA Region 4  
Telephone 404-562-8033

EPA Region 5  
Telephone 312-886-6686

EPA Region 10  
Telephone 206-553-8665

EPA Region 6  
Telephone: 214-655-6659

EPA Region 7  
Telephone: 913-551-7247

EPA Region 8  
Telephone: 303-312-6774

EPA Region 9  
Telephone: 415-947-4246

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

Date of Government Version: 09/27/2006	Source: EPA
Date Data Arrived at EDR: 11/01/2006	Telephone: N/A
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 11/01/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/29/2007
	Data Release Frequency: Quarterly

#### **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: 09/27/2006	Source: EPA
Date Data Arrived at EDR: 11/01/2006	Telephone: N/A
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 11/01/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/29/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **NPL RECOVERY: 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: 11/17/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/19/2007
	Data Release Frequency: No Update Planned

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/09/2006	Source: EPA
Date Data Arrived at EDR: 09/21/2006	Telephone: 703-603-8960
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 09/21/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/10/2006	Source: EPA
Date Data Arrived at EDR: 10/25/2006	Telephone: 703-603-8960
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

### **CORRACTS: Corrective Action Report**

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

### **RCRA: Resource Conservation and Recovery Act Information**

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 11/22/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/19/2007
	Data Release Frequency: Quarterly

### 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: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 10/24/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: Annually

### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 08/01/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/18/2006	Telephone: 202-366-4555
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 10/18/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/15/2007
	Data Release Frequency: Annually

### 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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/04/2005  
Date Data Arrived at EDR: 01/21/2005  
Date Made Active in Reports: 02/28/2005  
Number of Days to Update: 38

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 11/17/2006  
Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Varies

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

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

Date of Government Version: 08/30/2006  
Date Data Arrived at EDR: 09/06/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 63

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 11/17/2006  
Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 09/11/2006  
Date Data Arrived at EDR: 09/11/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 58

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 11/17/2006  
Next Scheduled EDR Contact: 02/19/2007  
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: 09/06/2006  
Date Data Arrived at EDR: 10/04/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 35

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 11/17/2006  
Next Scheduled EDR Contact: 02/19/2007  
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: 09/06/2006  
Date Data Arrived at EDR: 10/04/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 35

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 11/17/2006  
Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006  
Date Data Arrived at EDR: 09/11/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 58

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 11/17/2006  
Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Semi-Annually

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

Date of Government Version: 09/06/2006  
Date Data Arrived at EDR: 10/04/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 35

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 11/17/2006  
Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Quarterly

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



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2006      Source: EPA Region 10  
Date Data Arrived at EDR: 09/11/2006      Telephone: 206-553-2857  
Date Made Active in Reports: 11/08/2006      Last EDR Contact: 11/17/2006  
Number of Days to Update: 58      Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Quarterly

### INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004      Source: EPA Region 5  
Date Data Arrived at EDR: 12/29/2004      Telephone: 312-886-6136  
Date Made Active in Reports: 02/04/2005      Last EDR Contact: 11/17/2006  
Number of Days to Update: 37      Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Varies

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

Date of Government Version: 08/30/2006      Source: EPA Region 8  
Date Data Arrived at EDR: 09/06/2006      Telephone: 303-312-6137  
Date Made Active in Reports: 11/08/2006      Last EDR Contact: 11/17/2006  
Number of Days to Update: 63      Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Quarterly

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

Date of Government Version: 08/28/2006      Source: EPA Region 6  
Date Data Arrived at EDR: 08/29/2006      Telephone: 214-665-7591  
Date Made Active in Reports: 11/08/2006      Last EDR Contact: 11/17/2006  
Number of Days to Update: 71      Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Semi-Annually

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

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 09/07/2006      Source: EPA, Region 1  
Date Data Arrived at EDR: 09/08/2006      Telephone: 617-918-1313  
Date Made Active in Reports: 11/08/2006      Last EDR Contact: 11/17/2006  
Number of Days to Update: 61      Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Varies

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

Date of Government Version: 09/06/2006      Source: EPA Region 7  
Date Data Arrived at EDR: 10/04/2006      Telephone: 913-551-7003  
Date Made Active in Reports: 11/08/2006      Last EDR Contact: 11/17/2006  
Number of Days to Update: 35      Next Scheduled EDR Contact: 02/19/2007  
Data Release Frequency: Varies

### EDR PROPRIETARY RECORDS

#### Manufactured Gas Plants: 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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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.

#### **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: 08/01/2006  
Date Data Arrived at EDR: 08/30/2006  
Date Made Active in Reports: 10/16/2006  
Number of Days to Update: 47

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/29/2006  
Next Scheduled EDR Contact: 02/26/2007  
Data Release Frequency: Annually

#### **RI MANIFEST: Manifest information**

Hazardous waste manifest information

Date of Government Version: 09/30/2005  
Date Data Arrived at EDR: 05/09/2006  
Date Made Active in Reports: 05/24/2006  
Number of Days to Update: 15

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 09/18/2006  
Next Scheduled EDR Contact: 12/18/2006  
Data Release Frequency: Annually

#### **WI MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 05/02/2006  
Number of Days to Update: 46

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 10/23/2006  
Next Scheduled EDR Contact: 01/08/2007  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

#### **Electric Power Transmission Line Data**

Source: PennWell Corporation  
Telephone: (800) 823-6277

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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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### **Daycare Centers: Child Care Facility List**

Source: Department of Social Services

Telephone: 605-773-4766

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

### **STREET AND ADDRESS INFORMATION**

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

SANFORDS GRUB AND PUB  
306 7TH STREET  
RAPID CITY, SD 57701

### TARGET PROPERTY COORDINATES

Latitude (North):	44.08320 - 44° 4' 59.5"
Longitude (West):	103.2277 - 103° 13' 39.7"
Universal Tranverse Mercator:	Zone 13
UTM X (Meters):	641898.8
UTM Y (Meters):	4882424.5
Elevation:	3231 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	44103-A2 RAPID CITY EAST, SD
Most Recent Revision:	1978

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

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

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

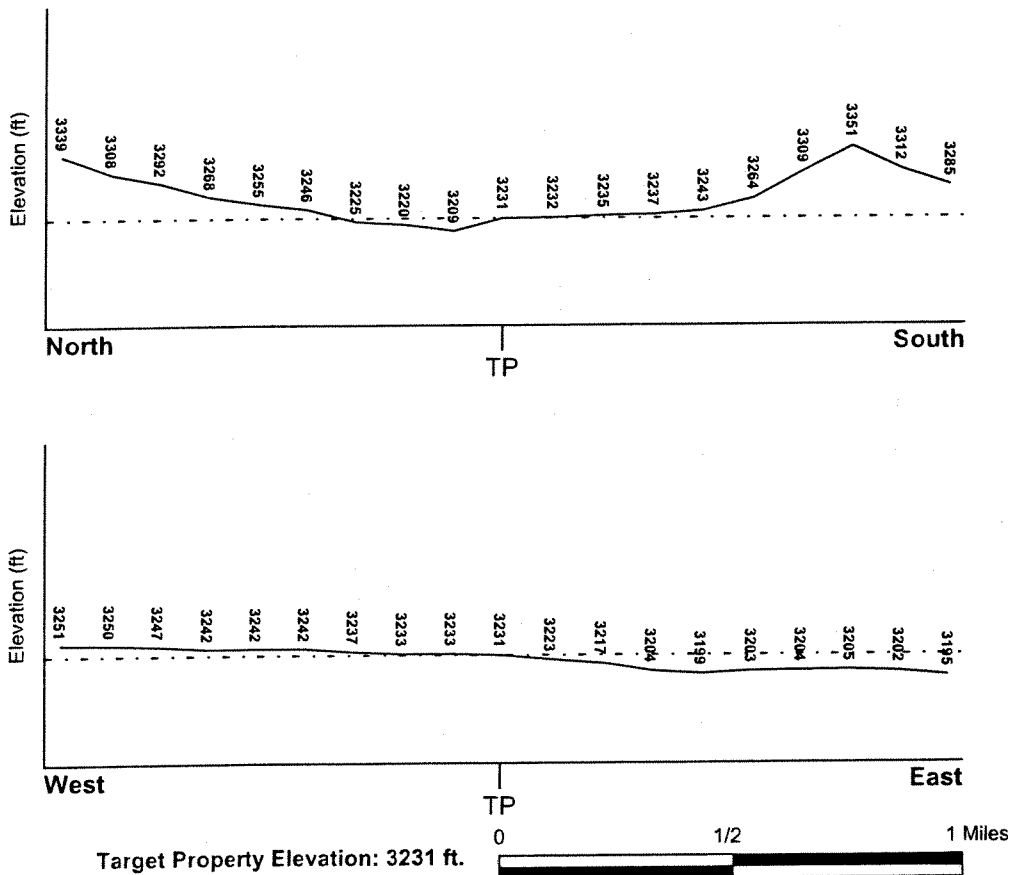
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

## 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>Target Property County</u> PENNINGTON, SD	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	4654200004F
Additional Panels in search area:	4654200002F 4654200006F 4654200008F

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> RAPID CITY EAST	NWI Electronic <u>Data Coverage</u> 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</u>	<u>GENERAL DIRECTION</u>
Not Reported	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>

## 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

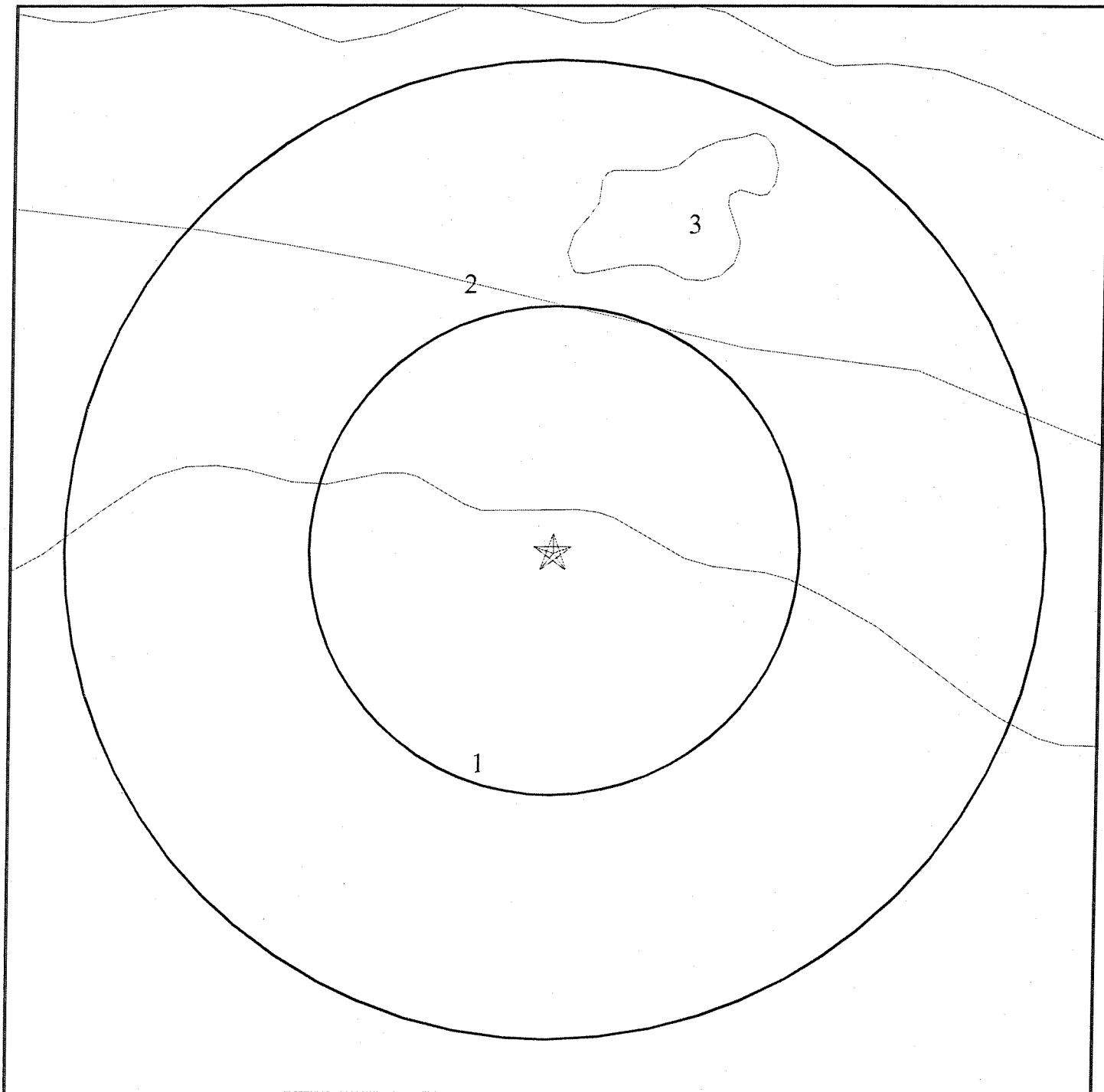
Era:	Mesozoic
System:	Jurassic
Series:	Jurassic
Code:	J (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

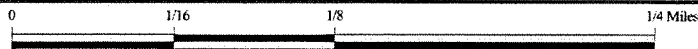
Category: Stratified Sequence

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 - 1807879.2s



- ★ Target Property
- ~ SSURGO Soil
- ~ Water



SITE NAME: Sanfords Grub and Pub  
ADDRESS: 306 7th Street  
Rapid City SD 57701  
LAT/LONG: 44.0832 / 103.2277

CLIENT: Vertex Engineering Services  
CONTACT: Stephanie Gieck  
INQUIRY #: 1807879.2s  
DATE: December 01, 2006 12:34 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: SATANTA

Soil Surface Texture: 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. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 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	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.10
2	11 inches	22 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 2.00 Min: 0.60	Max: 8.40 Min: 6.60
3	22 inches	60 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	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.40

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 2**

Soil Component Name: COLOMBO

Soil Surface Texture: 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. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 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%), silt.	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.40
2	14 inches	60 inches	stratified	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: 2.00 Min: 0.60	Max: 9.00 Min: 7.40

**Soil Map ID: 3**

Soil Component Name: WATER

Soil Surface Texture: Not reported

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. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Soil has not been ranked with a hydric criteria.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

No Layer Information available.

### LOCAL / REGIONAL WATER AGENCY RECORDS

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

### WELL SEARCH DISTANCE INFORMATION

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

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2944314	1/8 - 1/4 Mile East
2	USGS2944297	1/8 - 1/4 Mile SE
3	USGS2944285	1/8 - 1/4 Mile SSW
4	USGS2944289	1/8 - 1/4 Mile SE
6	USGS2944263	1/4 - 1/2 Mile South
7	USGS2944174	1/4 - 1/2 Mile WNW
8	USGS2944306	1/4 - 1/2 Mile West
9	USGS2944294	1/4 - 1/2 Mile ESE
10	USGS2944290	1/4 - 1/2 Mile WSW
11	USGS2944258	1/4 - 1/2 Mile SSE
A12	USGS2944282	1/4 - 1/2 Mile SE
13	USGS2944307	1/4 - 1/2 Mile West
B14	USGS2944199	1/4 - 1/2 Mile NW
A15	USGS2944284	1/4 - 1/2 Mile ESE
B16	USGS2944203	1/2 - 1 Mile NW
17	USGS2944281	1/2 - 1 Mile ESE
18	USGS2944415	1/2 - 1 Mile SE
19	USGS2944398	1/2 - 1 Mile SSE
C20	USGS2944178	1/2 - 1 Mile West
21	USGS2944275	1/2 - 1 Mile ESE
22	USGS2944204	1/2 - 1 Mile WNW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C23	USGS2944176	1/2 - 1 Mile West
C24	USGS2944175	1/2 - 1 Mile West
C25	USGS2944177	1/2 - 1 Mile West
D26	USGS2944256	1/2 - 1 Mile ESE
D27	USGS2944257	1/2 - 1 Mile ESE
28	USGS2944280	1/2 - 1 Mile ESE
29	USGS2944220	1/2 - 1 Mile WNW
30	USGS2944086	1/2 - 1 Mile NNW
31	USGS2944381	1/2 - 1 Mile SSW

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

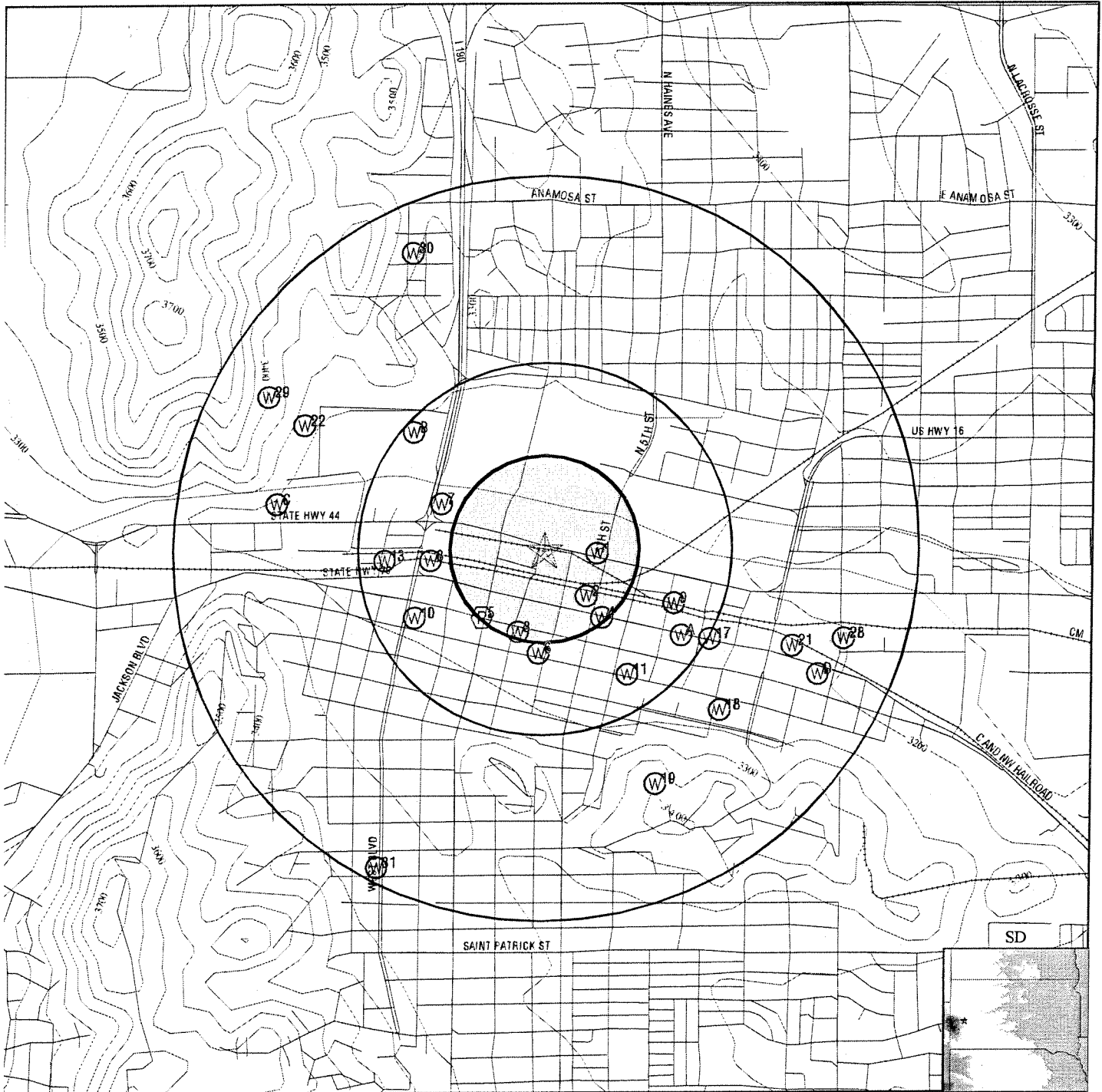
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
5	SD4601036	1/8 - 1/4 Mile SW

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

### STATE DATABASE WELL INFORMATION

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

# PHYSICAL SETTING SOURCE MAP - 1807879.2s



- 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

SITE NAME: Sanfords Grub and Pub  
 ADDRESS: 306 7th Street  
 Rapid City SD 57701  
 LAT/LONG: 44.0832 / 103.2277

CLIENT: Vertex Engineering Services  
 CONTACT: Stephanie Gieck  
 INQUIRY #: 1807879.2s  
 DATE: December 01, 2006 12:34 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**1**  
**East**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS2944314**

Agency cd:	USGS	Site no:	440459103132801
Site name:	2N 7E36CDC		
Latitude:	440459		
Longitude:	1031328	Dec lat:	44.08304334
Dec lon:	-103.22490357	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SWSESWS 36T 2N R 7E
Location map:	LAKE MADISON SW	Map scale:	24000
Altitude:	3220	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19920416
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	25	Hole depth:	25
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1992-04-16	Ground water data end date:	1992-04-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1992-04-16	17.95	

**2**  
**SE**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS2944297**

Agency cd:	USGS	Site no:	440453103133001
Site name:	1N 7E 1BAB		
Latitude:	440453		
Longitude:	1031330	Dec lat:	44.08137669
Dec lon:	-103.22545913	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NWNENWS 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	3230	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19920417
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BELLE FOURCHE FORMATION		
Well depth:	25	Hole depth:	25
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1992-04-17	Ground water data end date:	1992-04-17
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1992-04-17	15.38	

**3**  
**SSW**  
**1/8 - 1/4 Mile**  
**Higher**

FED USGS USGS2944285

Agency cd:	USGS	Site no:	440448103134301
Site name:	1N 7E 1BB		
Latitude:	440448		
Longitude:	1031343	Dec lat:	44.0799878
Dec lon:	-103.22907035	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	Not Reported
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3235	Altitude method:	R
Altitude accuracy:	111	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	SWUDS
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**4**  
**SE**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS2944289**

Agency cd:	USGS	Site no:	440450103132701
Site name:	1N 7E 1BA		
Latitude:	440450		
Longitude:	1031327	Dec lat:	44.08054336
Dec lon:	-103.22462577	Coord meth:	M
Coord accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NENW S 1T 1NR 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3230	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19951201
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BELLE FOURCHE FORMATION		
Well depth:	25	Hole depth:	25
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1995-12-01	Ground water data end date:	1995-12-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1995-12-01	17.7	

**5**  
**SW**  
**1/8 - 1/4 Mile**  
**Higher**

**FRDS PWS      SD4601036**

PWS ID:	SD4601036	PWS Status:	Active
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	CAMP RIMROCK MARLENE HERMAN 3290 MOON MEADOWS DRIVE RAPID CITY, SD 577029116		

Addressee / Facility: Not Reported





## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	440445103133901
Site name:	1N 7E 1BBD		
Latitude:	440445		
Longitude:	1031339	Dec lat:	44.07915447
Dec lon:	-103.2279592	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SENWNWS 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3240	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19910306
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	30	Hole depth:	30
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1991-03-06	Ground water data end date:	1991-03-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1991-03-06	25	
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7

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

FED USGS      USGS2944174

Agency cd:	USGS	Site no:	440506103135801
Site name:	2N 7E35DDA		
Latitude:	440506		
Longitude:	1031358	Dec lat:	44.08498777
Dec lon:	-103.23323715	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NESESES 35T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3210	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid, South Dakota, Area = 725 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	19930405
Date inventoried:	Not Reported	Mean greenwich time offset:	MST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	18	Hole depth:	18
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1993-04-05	Ground water data end date:	1993-04-05
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1993-04-05	10.7	

8

West  
1/4 - 1/2 Mile  
Higher

FED USGS USGS2944306

Agency cd:	USGS	Site no:	440458103140001
Site name:	2N 7E35DDDC		
Latitude:	440458	Dec lat:	44.08276556
Longitude:	1031400	Coor meth:	M
Dec lon:	-103.23379272	Latlong datum:	NAD27
Coor accr:	F	District:	46
Dec latlong datum:	NAD83	County:	103
State:	46	Land net:	SESESES 35T 2N R 7E
Country:	US	Map scale:	24000
Location map:	LAKE MADISON	Altitude method:	M
Altitude:	3240	Altitude datum:	NGVD29
Altitude accuracy:	20		
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	19960219
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1996-02-19	Ground water data end date:	1996-02-19
Ground water data count:	1		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1996-02-19		17

**9**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

FED USGS USGS2944294

Agency cd:	USGS	Site no:	440452103131301
Site name:	1N 7E 1BAA		
Latitude:	440452		
Longitude:	1031313	Dec lat:	44.08109891
Dec lon:	-103.22073677	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NENENWS 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3225	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19891219
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BELLE FOURCHE FORMATION		
Well depth:	20	Hole depth:	20
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-01-08	Ground water data end date:	1990-01-08
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-01-08		15.51

**10**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

FED USGS USGS2944290

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	440450103140301
Site name:	1N 7E 2AA		
Latitude:	440450		
Longitude:	1031403	Dec lat:	44.08054335
Dec lon:	-103.23462607	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NENES 2 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3250	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19960308
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	0	Hole depth:	Not Reported
Daily flow data end date:	0000-00-00	Project number:	464609900
Peak flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data count:	0	Daily flow data count:	0
Water quality data end date:	0000-00-00	Peak flow data end date:	0000-00-00
Ground water data begin date:	1996-03-08	Water quality data begin date:	0000-00-00
Ground water data count:	1	Water quality data count:	0
		Ground water data end date:	1996-03-08

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1996-03-08	25.62	

**11**  
**SSE**  
**1/4 - 1/2 Mile**  
**Higher**

FED USGS USGS2944258

Agency cd:	USGS	Site no:	440442103132209
Site name:	1N 7E 1BAD9		
Latitude:	440442		
Longitude:	1031322	Dec lat:	44.07832115
Dec lon:	-103.22323683	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SEENWS 1T 1NR 7E
Location map:	LAKE HERMAN	Map scale:	24000
Altitude:	3425.78	Altitude method:	L
Altitude accuracy:	50	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19871113
Date inventoried:	Not Reported	Mean greenwich time offset:	MST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	10.4	Hole depth:	10.4
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1989-07-13
Water quality data end date:	1989-07-13	Water quality data count:	1
Ground water data begin date:	1987-11-14	Ground water data end date:	1987-11-14
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-11-14	8.40	

**A12**  
**SE**  
 1/4 - 1/2 Mile  
 Lower

FED USGS USGS2944282

Agency cd:	USGS	Site no:	440447103131301
Site name:	1N 7E 1ABC		
Latitude:	440447		
Longitude:	1031313	Dec lat:	44.07971003
Dec lon:	-103.22073676	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SWNWNES 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3220	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19930423
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BELLE FOURCHE FORMATION		
Well depth:	23	Hole depth:	23
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1993-05-07	Ground water data end date:	1993-05-07
Ground water data count:	1		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1993-05-07		13

**13**  
West  
1/4 - 1/2 Mile  
Higher

FED USGS USGS2944307

Agency cd:	USGS	Site no:	440458103140901
Site name:	2N 7E35DDCC		
Latitude:	440458		
Longitude:	1031409	Dec lat:	44.08276556
Dec lon:	-103.23629279	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SWSESES 35T 2N R 7E
Location map:	LAKE MADISON	Map scale:	24000
Altitude:	3245	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	19921021
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	22	Hole depth:	22
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1992-10-21	Ground water data end date:	1992-10-21
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1992-10-21		15

**B14**  
NW  
1/4 - 1/2 Mile  
Higher

FED USGS USGS2944199

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	440515103140201
Site name:	2N 7E35DA		
Latitude:	440515		
Longitude:	1031402	Dec lat:	44.08748776
Dec lon:	-103.23434831	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NESES 35T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3230	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	19950109
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	20	Hole depth:	20
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1995-01-09	Ground water data end date:	1995-01-09
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----	-----	-----
1995-01-09	15	

**A15**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS2944284**

Agency cd:	USGS	Site no:	440448103131001
Site name:	1N 7E 1		
Latitude:	440448		
Longitude:	1031310	Dec lat:	44.07998781
Dec lon:	-103.21990341	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	S 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3220	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19950201
Date inventoried:	Not Reported	Mean greenwich time offset:	MST





# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-06-25	8	

**17**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS2944281**

Agency cd:	USGS	Site no:	440447103130601
Site name:	1N 7E 1BAD		
Latitude:	440447		
Longitude:	1031306	Dec lat:	44.07971003
Dec lon:	-103.21879226	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SENESWS 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3230	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19901023
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BELLE FOURCHE FORMATION		
Well depth:	20	Hole depth:	20
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-10-23	Ground water data end date:	1990-10-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-10-23	5.92	

**18**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS2944415**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	440437103130401
Site name:	1N 7E 1ACA		
Latitude:	440437		
Longitude:	1031304	Dec lat:	44.07693227
Dec lon:	-103.21823668	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NESWNES 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3230	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19910703
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BELLE FOURCHE FORMATION		
Well depth:	24	Hole depth:	24
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1991-08-03	Ground water data end date:	1991-08-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1991-08-03	18.85	

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

FED USGS USGS2944398

Agency cd:	USGS	Site no:	440427103131701
Site name:	1N 7E 1DBBB		
Latitude:	440426.6		
Longitude:	1031318.0	Dec lat:	44.07405556
Dec lon:	-103.22166667	Coor meth:	G
Coor accr:	1	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NWNWSES 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3395.7	Altitude method:	G
Altitude accuracy:	.2	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19901100
Date inventoried:	19901210	Mean greenwich time offset:	MST



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1993-10-22	243.10		1993-10-07	244.02	
1993-09-24	245.27		1993-09-15	245.64	
1993-08-26	247.19		1993-07-28	246.88	
1993-07-12	246.65		1993-07-07	246.67	
1993-07-01	246.61		1993-06-23	246.53	
1993-06-16	246.75		1993-06-10	246.75	
1993-06-09	246.85		1993-05-19	246.62	
1993-05-12	246.27		1993-04-28	245.15	
1993-04-14	244.05		1993-03-24	244.00	
1993-02-04	244.77		1993-01-27	244.66	
1993-01-20	244.83		1993-01-06	245.42	
1992-12-22	246.10		1992-12-10	246.96	
1992-12-04	247.49		1992-11-25	248.13	
1992-11-10	249.27		1992-10-28	249.78	
1992-10-14	250.29		1992-10-01	250.52	
1992-09-23	250.32		1992-09-16	250.36	
1992-09-02	249.81		1992-08-26	249.68	
1992-08-19	248.91		1992-08-12	248.42	
1992-08-05	247.74		1992-07-16	247.06	
1992-06-30	246.16		1992-06-24	246.11	
1992-06-10	245.64		1992-06-03	244.99	
1992-05-20	243.91		1992-05-13	243.93	
1992-05-06	243.45		1992-04-29	243.60	
1992-04-22	243.66		1992-04-15	243.80	
1992-04-08	243.64		1992-04-01	243.93	
1992-03-18	244.24		1992-03-04	243.90	
1992-02-26	243.96		1992-02-19	243.62	
1992-02-12	243.45		1992-02-05	243.33	
1992-01-24	242.81		1992-01-06	242.41	
1991-12-19	242.08		1991-12-11	241.90	
1991-11-27	241.26		1991-11-21	240.97	
1991-11-13	240.55		1991-11-06	240.75	
1991-10-23	239.77		1991-10-09	239.69	
1991-09-25	239.28		1991-09-18	239.36	
1991-09-11	238.84		1991-08-28	238.41	
1991-08-22	238.49		1991-08-07	238.43	
1991-07-31	0.00		1991-07-24	238.57	
1991-07-17	238.12		1991-07-10	238.18	
1991-06-26	238.00		1991-05-31	239.04	
1991-05-20	239.32		1991-05-14	239.24	
1991-05-08	239.36		1991-05-06	239.53	
1991-05-03	239.40		1991-05-01	239.66	
1991-04-24	239.34		1991-04-10	239.39	
1991-04-02	239.70		1991-03-28	239.73	
1991-03-18	240.22		1991-03-15	240.23	
1991-03-13	240.20		1991-03-06	240.30	
1991-02-19	246.20		1991-02-15	250.00	
1991-02-14	251.66		1991-02-13	255.25	
1991-02-05	242.65		1991-01-30	243.48	
1991-01-16	243.80		1991-01-09	244.60	
1990-12-12	248.08		1990-12-07	249.8	
1990-12-07	249.65				

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C20**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2944178**

Agency cd:	USGS	Site no:	440506103142804
Site name:	2N 7E35CDAAA		
Latitude:	440506		
Longitude:	1031428	Dec lat:	44.08498777
Dec lon:	-103.24157074	Coord meth:	M
Coord accur:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NESESWS35 T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3239.87	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19880000
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	12	Hole depth:	12
Source of depth data:	reporting agency (generally USGS)	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1988-03-28	Ground water data end date:	1989-10-12
Ground water data count:	67		

Ground-water levels, Number of Measurements: 67

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-10-12	6.25		1989-08-18	6.05	
1989-07-10	5.79		1989-06-06	5.75	
1989-05-16	5.91		1989-05-15	5.85	
1989-05-01	6.25		1989-04-20	6.30	
1989-04-19	6.34		1989-04-03	6.32	
1989-03-20	6.22		1988-10-14	6.07	
1988-10-13	6.04		1988-10-11	6.06	
1988-10-07	5.96		1988-10-06	5.96	
1988-10-05	5.99		1988-10-04	6.06	
1988-10-01	5.86		1988-09-01	5.63	
1988-08-23	5.70		1988-08-17	5.24	
1988-08-09	5.54		1988-08-05	5.48	
1988-08-02	5.33		1988-07-28	5.57	
1988-07-25	5.45		1988-07-20	5.44	
1988-07-15	5.44		1988-07-08	5.50	
1988-07-06	5.62		1988-07-01	5.28	
1988-06-30	5.24		1988-06-29	5.44	
1988-06-24	5.40		1988-06-23	5.38	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-06-22	5.57		1988-06-17	5.65	
1988-06-16	5.84		1988-06-09	5.68	
1988-06-08	5.68		1988-06-06	5.65	
1988-06-02	5.51		1988-05-27	5.54	
1988-05-26	5.49		1988-05-25	5.46	
1988-05-24	5.52		1988-05-18	5.25	
1988-05-17	5.50		1988-05-16	5.57	
1988-05-13	5.66		1988-05-12	5.52	
1988-05-11	5.69		1988-05-10	5.68	
1988-05-09	5.59		1988-05-03	5.87	
1988-05-02	5.78		1988-04-29	6.12	
1988-04-27	5.61		1988-04-26	5.48	
1988-04-25	5.60		1988-04-22	5.59	
1988-04-21	5.66		1988-04-20	6.07	
1988-04-11	5.90		1988-04-06	6.27	
1988-03-28	6.12				

21  
ESE  
1/2 - 1 Mile  
Lower

FED USGS USGS2944275

Agency cd:	USGS	Site no:	440446103125001
Site name:	1N 7E 1AAA		
Latitude:	440446		
Longitude:	1031250	Dec lat:	44.07943226
Dec lon:	-103.21434768	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NENENES 1 T 1N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3190	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19900406
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BELLE FOURCHE FORMATION		
Well depth:	25	Hole depth:	25
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-04-06	Ground water data end date:	1990-04-06
Ground water data count:	1		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-04-06	18.77	

**22**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

FED USGS USGS2944204

Agency cd:	USGS	Site no:	440517103142501
Site name:	2N 7E35DBC		
Latitude:	440517		
Longitude:	1031425	Dec lat:	44.08804331
Dec lon:	-103.24073739	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SWNWSE 35T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3245	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	19900306
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	10	Hole depth:	10
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-03-06	Ground water data end date:	1990-03-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-03-06	6	

**C23**  
**West**  
**1/2 - 1 Mile**  
**Higher**

FED USGS USGS2944176



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	440506103142802
Site name:	2N 7E35CDAA2		
Latitude:	440506		
Longitude:	1031431	Dec lat:	44.08498777
Dec lon:	-103.24240409	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NESESWS35 T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3241.41	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19870716
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	24.5	Hole depth:	24.5
Source of depth data:	driller	Project number:	08500
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1987-07-16	Ground water data end date:	1989-10-12
Ground water data count:	79		

Ground-water levels, Number of Measurements: 79

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-10-12	7.68		1989-08-18	7.45	
1989-07-10	7.20		1989-06-06	7.16	
1989-05-16	7.32		1989-05-15	7.29	
1989-05-01	7.67		1989-04-20	7.73	
1989-04-03	7.73		1989-03-20	7.65	
1988-10-14	7.90		1988-10-13	7.87	
1988-10-11	7.90		1988-10-07	7.79	
1988-10-06	7.79		1988-10-05	7.79	
1988-10-04	7.85		1988-10-01	7.69	
1988-09-01	7.44		1988-08-23	7.54	
1988-08-17	7.52		1988-08-09	7.32	
1988-08-05	7.23		1988-08-02	7.14	
1988-07-28	7.37		1988-07-25	7.26	
1988-07-20	7.24		1988-07-15	7.23	
1988-07-08	7.30		1988-07-06	7.42	
1988-07-01	7.09		1988-06-30	7.06	
1988-06-29	7.23		1988-06-24	7.21	
1988-06-23	7.18		1988-06-22	7.37	
1988-06-17	7.44		1988-06-16	7.62	
1988-06-09	7.48		1988-06-08	7.47	
1988-06-06	7.44		1988-06-02	7.31	
1988-05-27	7.33		1988-05-26	7.28	
1988-05-25	7.26		1988-05-24	7.31	
1988-05-18	7.08		1988-05-17	7.30	
1988-05-16	7.37		1988-05-13	7.55	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-12	7.58		1988-05-11	7.53	
1988-05-10	7.45		1988-05-09	7.38	
1988-05-06	7.46		1988-05-05	7.41	
1988-05-04	7.35		1988-05-03	7.29	
1988-05-02	7.21		1988-04-29	7.54	
1988-04-27	7.40		1988-04-26	7.27	
1988-04-25	7.36		1988-04-22	7.38	
1988-04-21	7.47		1988-04-20	7.50	
1988-04-19	7.54		1988-04-18	7.57	
1988-04-11	7.74		1988-04-06	7.72	
1988-03-28	7.59		1988-03-15	7.54	
1988-02-29	7.64		1988-02-16	7.63	
1988-02-03	7.44		1988-01-21	7.61	
1987-10-28	7.68		1987-10-23	7.52	
1987-07-16	12				

**C24**  
West  
1/2 - 1 Mile  
Higher

FED USGS USGS2944175

Agency cd:	USGS	Site no:	440506103142801
Site name:	2N 7E35CDAA		
Latitude:	440506		
Longitude:	1031431	Dec lat:	44.08498777
Dec lon:	-103.24240409	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NESESWS35 T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3238.15	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19870716
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	16.5	Hole depth:	16.5
Source of depth data:	driller	Project number:	08500
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1989-07-06
Water quality data end date:	1989-07-06	Water quality data count:	1
Ground water data begin date:	1987-07-16	Ground water data end date:	1989-10-23
Ground water data count:	81		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 81

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-10-23	5.19		1989-10-12	5.19	
1989-08-18	5.00		1989-07-10	4.66	
1989-06-06	4.68		1989-05-16	4.88	
1989-05-15	4.80		1989-05-01	5.22	
1989-04-20	5.26		1989-04-19	5.28	
1989-04-03	5.26		1989-03-20	5.18	
1988-10-14	4.78		1988-10-13	4.77	
1988-10-11	4.77		1988-10-07	4.67	
1988-10-06	4.67		1988-10-05	4.67	
1988-10-04	4.73		1988-10-01	4.57	
1988-09-01	4.30		1988-08-23	4.46	
1988-08-17	4.49		1988-08-09	4.21	
1988-08-05	4.18		1988-08-02	4.00	
1988-07-28	4.22		1988-07-25	4.13	
1988-07-20	4.12		1988-07-15	4.13	
1988-07-08	4.18		1988-07-06	4.27	
1988-07-01	4.00		1988-06-30	3.95	
1988-06-29	4.09		1988-06-24	4.07	
1988-06-23	4.04		1988-06-22	4.24	
1988-06-17	4.30		1988-06-16	4.51	
1988-06-09	4.34		1988-06-08	4.35	
1988-06-06	4.34		1988-06-02	4.20	
1988-05-27	4.25		1988-05-26	4.19	
1988-05-25	4.18		1988-05-24	4.25	
1988-05-18	3.93		1988-05-17	4.18	
1988-05-16	4.27		1988-05-13	4.43	
1988-05-12	4.58		1988-05-11	4.44	
1988-05-10	4.38		1988-05-09	4.29	
1988-05-06	4.38		1988-05-05	4.33	
1988-05-04	4.27		1988-05-03	4.21	
1988-05-02	4.10		1988-04-29	4.47	
1988-04-27	4.31		1988-04-26	4.16	
1988-04-25	4.07		1988-04-22	4.25	
1988-04-21	4.34		1988-04-20	4.39	
1988-04-19	4.57		1988-04-18	4.40	
1988-04-11	5.20		1988-04-06	4.60	
1988-03-28	4.48		1988-03-15	5.10	
1988-02-29	4.51		1988-02-16	4.51	
1988-02-03	4.36		1988-01-21	4.50	
1987-10-28	4.52		1987-10-23	5.25	
1987-07-16	12				

C25  
West  
1/2 - 1 Mile  
Higher

FED USGS USGS2944177

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	440506103142803
Site name:	2N 7E35CDAA3		
Latitude:	440506		
Longitude:	1031431	Dec lat:	44.08498777
Dec lon:	-103.24240409	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NESESWS35 T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3243.51	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19870716
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	20.	Hole depth:	20.
Source of depth data:	driller	Project number:	08500
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1989-07-07
Water quality data end date:	1989-07-07	Water quality data count:	1
Ground water data begin date:	1987-07-16	Ground water data end date:	1989-10-12
Ground water data count:	79		

Ground-water levels, Number of Measurements: 79

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-10-12	8.98		1989-08-18	8.74	
1989-07-10	8.67		1989-06-06	8.58	
1989-05-16	8.62		1989-05-15	8.62	
1989-05-01	8.89		1989-04-20	8.98	
1989-04-03	8.98		1989-03-20	8.89	
1988-10-14	9.81		1988-10-13	9.77	
1988-10-11	9.80		1988-10-07	9.70	
1988-10-06	9.71		1988-10-05	9.71	
1988-10-04	9.75		1988-10-01	9.63	
1988-09-01	9.47		1988-08-23	9.50	
1988-08-17	9.03		1988-08-09	9.33	
1988-08-05	9.11		1988-08-02	9.22	
1988-07-28	9.38		1988-07-25	9.26	
1988-07-20	9.25		1988-07-15	9.25	
1988-07-08	9.32		1988-07-06	9.37	
1988-07-01	9.13		1988-06-30	9.07	
1988-06-29	9.24		1988-06-24	9.23	
1988-06-23	9.25		1988-06-22	9.34	
1988-06-17	9.48		1988-06-16	9.47	
1988-06-09	9.44		1988-06-08	9.43	
1988-06-06	9.34		1988-06-02	9.25	
1988-05-27	9.24		1988-05-26	9.22	
1988-05-25	9.20		1988-05-24	9.20	
1988-05-18	9.18		1988-05-17	9.26	
1988-05-16	9.28		1988-05-13	9.46	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-12	9.40		1988-05-11	9.35	
1988-05-10	9.28		1988-05-09	9.24	
1988-05-06	9.14		1988-05-05	9.25	
1988-05-04	9.22		1988-05-03	9.17	
1988-05-02	9.13		1988-04-29	9.37	
1988-04-27	9.26		1988-04-26	9.23	
1988-04-25	9.37		1988-04-22	9.35	
1988-04-21	9.42		1988-04-20	9.43	
1988-04-19	9.44		1988-04-18	9.44	
1988-04-11	9.58		1988-04-06	9.53	
1988-03-28	9.45		1988-03-15	9.47	
1988-02-29	9.52		1988-02-16	9.51	
1988-02-03	9.38		1988-01-21	9.49	
1987-10-28	9.50		1987-10-23	9.42	
1987-07-16	7				

D26  
ESE  
1/2 - 1 Mile  
Lower

FED USGS USGS2944256

Agency cd:	USGS	Site no:	440442103124503
Site name:	1N 7E 6DBDD3	Dec lat:	44.07832115
Latitude:	440442	Coor meth:	M
Longitude:	1031245	Latlong datum:	NAD27
Dec lon:	-103.21295875	District:	46
Coor accr:	F	County:	103
Dec latlong datum:	NAD83	Land net:	SENWSES 6T 1NR 7E
State:	46	Map scale:	24000
Country:	US	Altitude method:	M
Location map:	LAKE HERMAN	Altitude datum:	NGVD29
Altitude:	3216.		
Altitude accuracy:	10		
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19871110
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	19.0	Hole depth:	19.0
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1989-07-11
Water quality data end date:	1989-07-11	Water quality data count:	1
Ground water data begin date:	1987-11-11	Ground water data end date:	1987-11-11
Ground water data count:	1		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-11-11	12.45	

**D27**  
**ESE**  
 1/2 - 1 Mile  
 Lower

FED USGS USGS2944257

Agency cd:	USGS	Site no:	440442103124504
Site name:	1N 7E 6DBB3		
Latitude:	440442		
Longitude:	1031245	Dec lat:	44.07832115
Dec lon:	-103.21295875	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NWSENWS 6T 1NR 7E
Location map:	LAKE HERMAN	Map scale:	24000
Altitude:	3216.	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19871110
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	17.5	Hole depth:	17.5
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1987-11-11	Ground water data end date:	1987-11-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-11-11	11.7	

**28**  
**ESE**  
 1/2 - 1 Mile  
 Lower

FED USGS USGS2944280

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	440447103124001
Site name:	1N 8E 6BBCBC		
Latitude:	440447		
Longitude:	1031240	Dec lat:	44.07971003
Dec lon:	-103.21156983	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SWNWNWS 6T 1NR 8E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3180	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19921110
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	22	Hole depth:	22
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1992-11-10	Ground water data end date:	1992-11-10
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1992-11-10	15
------------	----

**29**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2944220**

Agency cd:	USGS	Site no:	440521103143201
Site name:	2N 7E35		
Latitude:	440521		
Longitude:	1031432	Dec lat:	44.08915441
Dec lon:	-103.24268189	Coor meth:	G
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	MST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	464600700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**30**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

FED USGS      USGS2944086

Agency cd:	USGS	Site no:	440541103140401
Site name:	2N 7E35AACA		
Latitude:	440541		
Longitude:	1031404	Dec lat:	44.09470994
Dec lon:	-103.23490391	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	SWNENES 35T 2N R 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3300	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Rapid, South Dakota. Area = 725 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19920710
Date inventoried:	Not Reported	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Collector or Ranney type well		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	17	Hole depth:	17
Source of depth data:	driller	Project number:	464609900
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1992-07-10	Ground water data end date:	1992-07-10
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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 1992-07-10    11



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**31**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2944381**

Agency cd:	USGS	Site no:	440415103141001
Site name:	1N 7E 2DABD		
Latitude:	440415		
Longitude:	1031410	Dec lat:	44.07082118
Dec lon:	-103.23657053	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	46
State:	46	County:	103
Country:	US	Land net:	NWNESES 2T 1NR 7E
Location map:	RAPID CITY EAST	Map scale:	24000
Altitude:	3335	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Rapid. South Dakota. Area = 725 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19570701
Date inventoried:	19570701	Mean greenwich time offset:	MST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	INYAN KARA GROUP		
Well depth:	414	Hole depth:	414
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1982-04-23	Ground water data end date:	1982-04-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1982-04-23    -14.79

Note: The site was flowing, but the head could not be measured without additional equipment.

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

Federal EPA Radon Zone for PENNINGTON County: 2

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

Federal Area Radon Information for Zip Code: 57701

Number of sites tested: 15

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	5.220 pCi/L	47%	53%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.600 pCi/L	100%	0%	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.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

## HYDROGEOLOGIC INFORMATION

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

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

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

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

## 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.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### **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**

#### **South Dakota Public Water Systems**

Source: Department of Environmental and Natural Resources

Telephone: 605-773-3153

### **OTHER STATE DATABASE INFORMATION**

### **RADON**

#### **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

### **STREET AND ADDRESS INFORMATION**

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APPENDIX C  
ADDITIONAL RELEVANT DOCUMENTATION



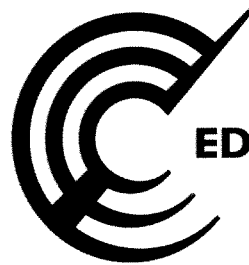
Circa 2006

**EDR Historical  
Topographic Map  
Report**

**Sanfords Grub and Pub  
306 7th Street  
Rapid City, SD 57701**

**Inquiry Number: 1807879.4**

**December 01, 2006**



**EDR® Environmental  
Data Resources Inc**

**The Standard in  
Environmental Risk  
Management Information**

**440 Wheelers Farms Rd  
Milford, Connecticut 06461**

**Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)**

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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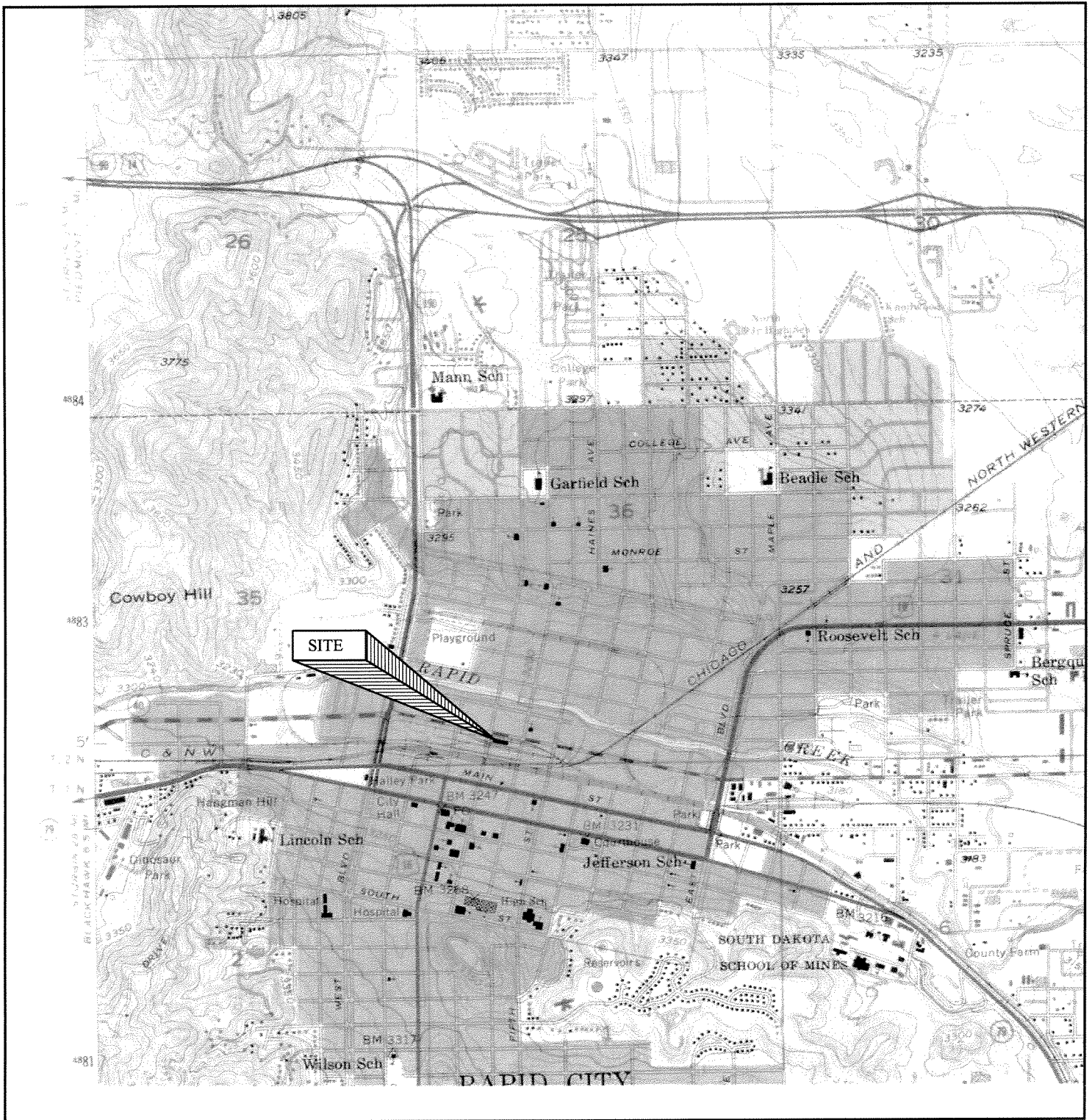
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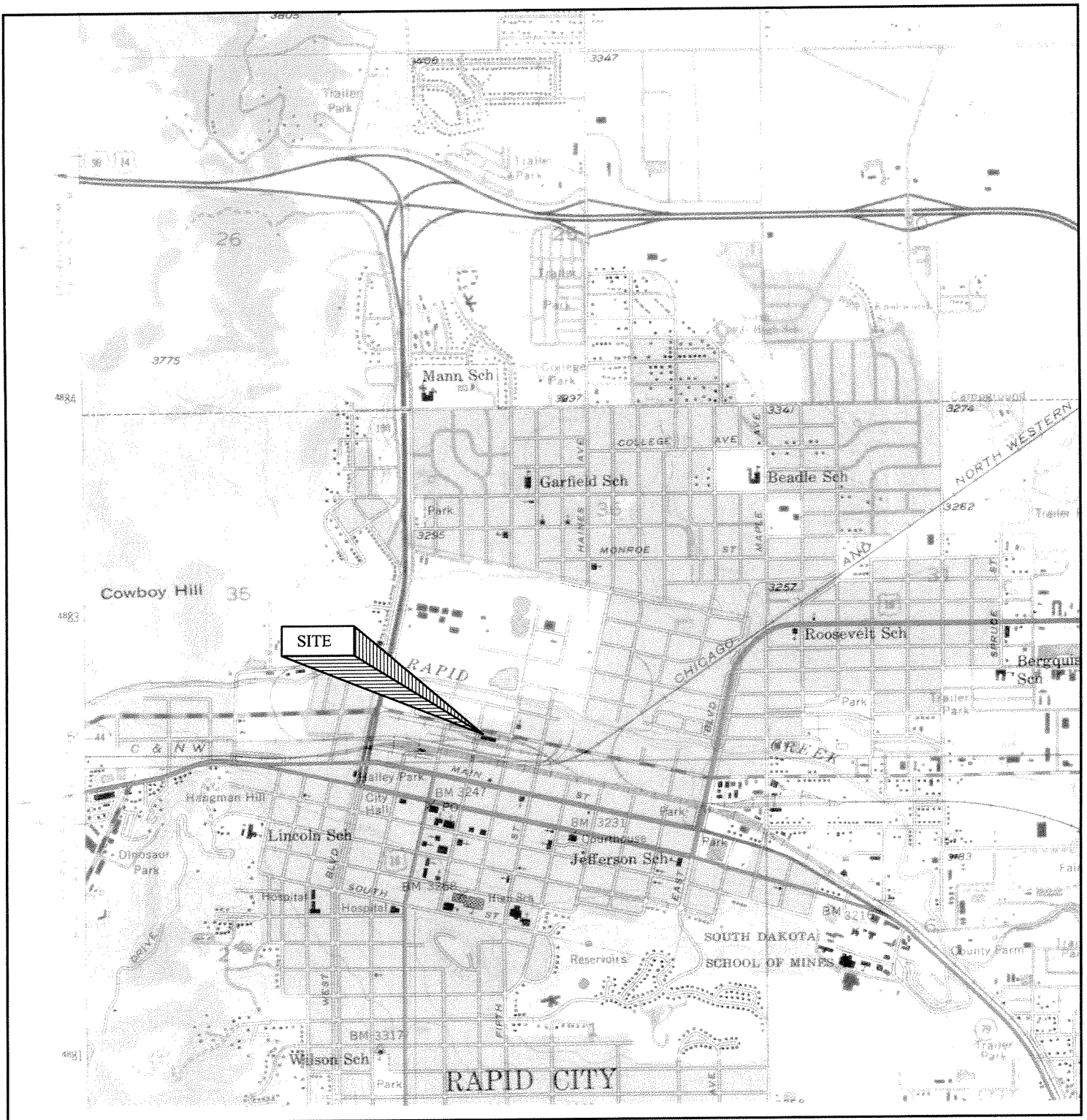


# Historical Topographic Map



	TARGET QUAD	SITE NAME:	Sanfords Grub and Pub	CLIENT:	Vertex Engineering Services
	NAME: Rapid City East, SD	ADDRESS:	306 7th Street	CONTACT:	Stephanie Gieck
	MAP YEAR: 1971	LAT/LONG:	Rapid City, SD 57701	INQUIRY#:	1807879.4
	PHOTOREVISED FROM: 1953			RESEARCH DATE:	12/01/2006
	SERIES: 7.5				
	SCALE: 1:24,000				

# Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Sanfords Grub and Pub	CLIENT:	Vertex Engineering Services
	NAME: Rapid City East, SD	ADDRESS:	306 7th Street	CONTACT:	Stephanie Gieck
	MAP YEAR: 1978		Rapid City, SD 57701	INQUIRY#:	1807879.4
	PHOTOREVISED FROM: 1953	LAT/LONG:	44.0832 / 103.2277	RESEARCH DATE:	12/01/2006
	SERIES: 7.5				
	SCALE: 1:24,000				



"Linking Technology with Tradition"®

# Sanborn® Map Report

**Ship To:** Stephanie Gieck  
Vertex Engineering  
400 Libbey Parkway  
Weymouth, MA 02189

**Order Date:** 12/1/2006 **Completion Date:** 12/5/2006

**Inquiry #:** 1807879.3s

**P.O. #:** NA

**Site Name:** Sanfords Grub and Pub

**Address:** 306 7th Street

**City/State:** Rapid City, SD 57701

**Cross Streets:**

**Customer Project:** 9963  
1036667ARB 781-952-6000

Based on client-supplied information, fire insurance maps for the following years were identified

- 1887 - 1 Map
- 1891 - 1 Map
- 1897 - 1 Map
- 1909 - 1 Map
- 1915 - 1 Map
- 1923 - 1 Map
- 1930 - 1 Map
- 1948 - 1 Map
- 1951 - 1 Map

**Limited Permission to Photocopy**

**Total Maps: 9**

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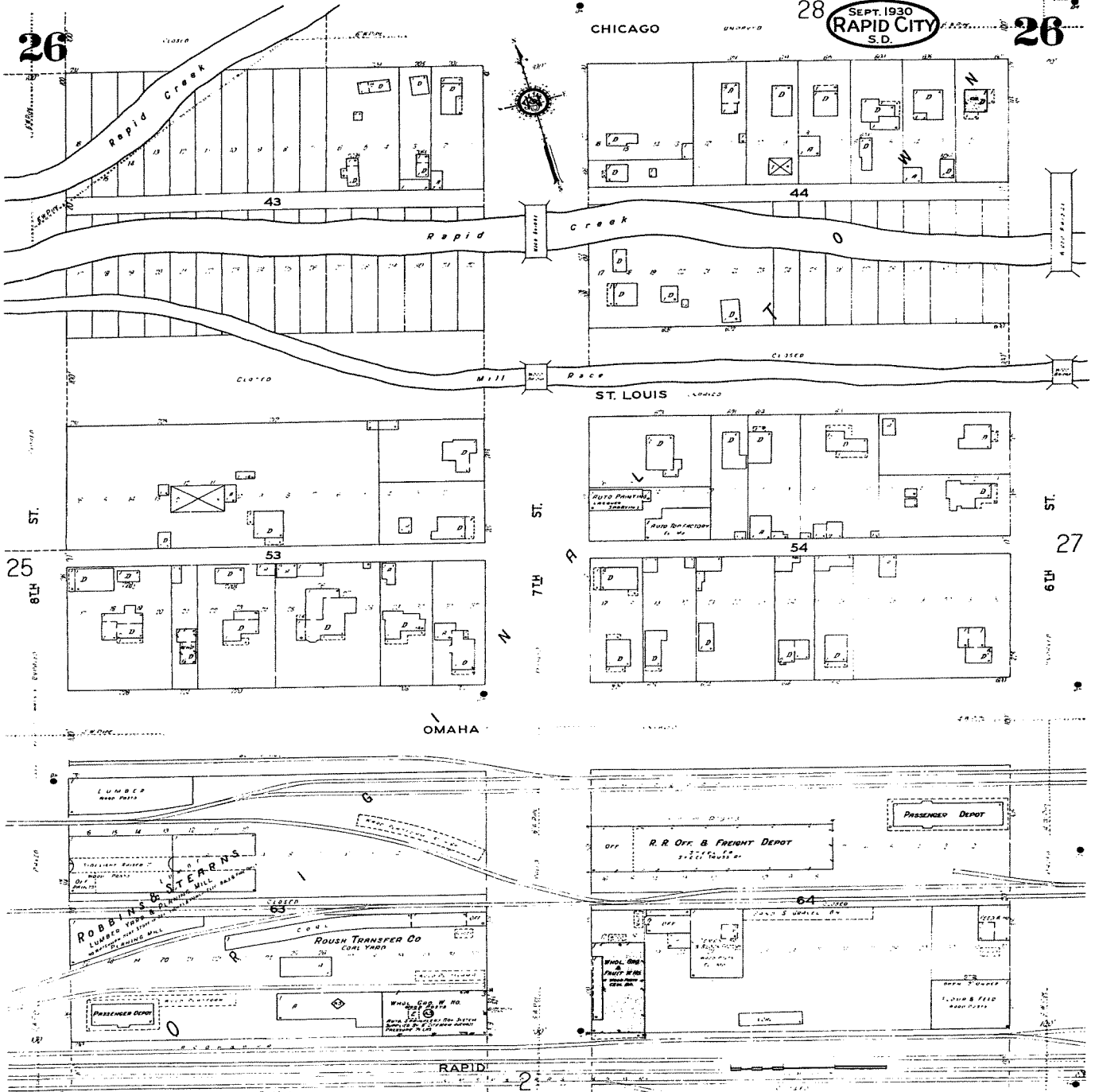
26

CHICAGO

28

SEPT. 1930  
RAPID CITY  
S.D.

26



OMAHA

27

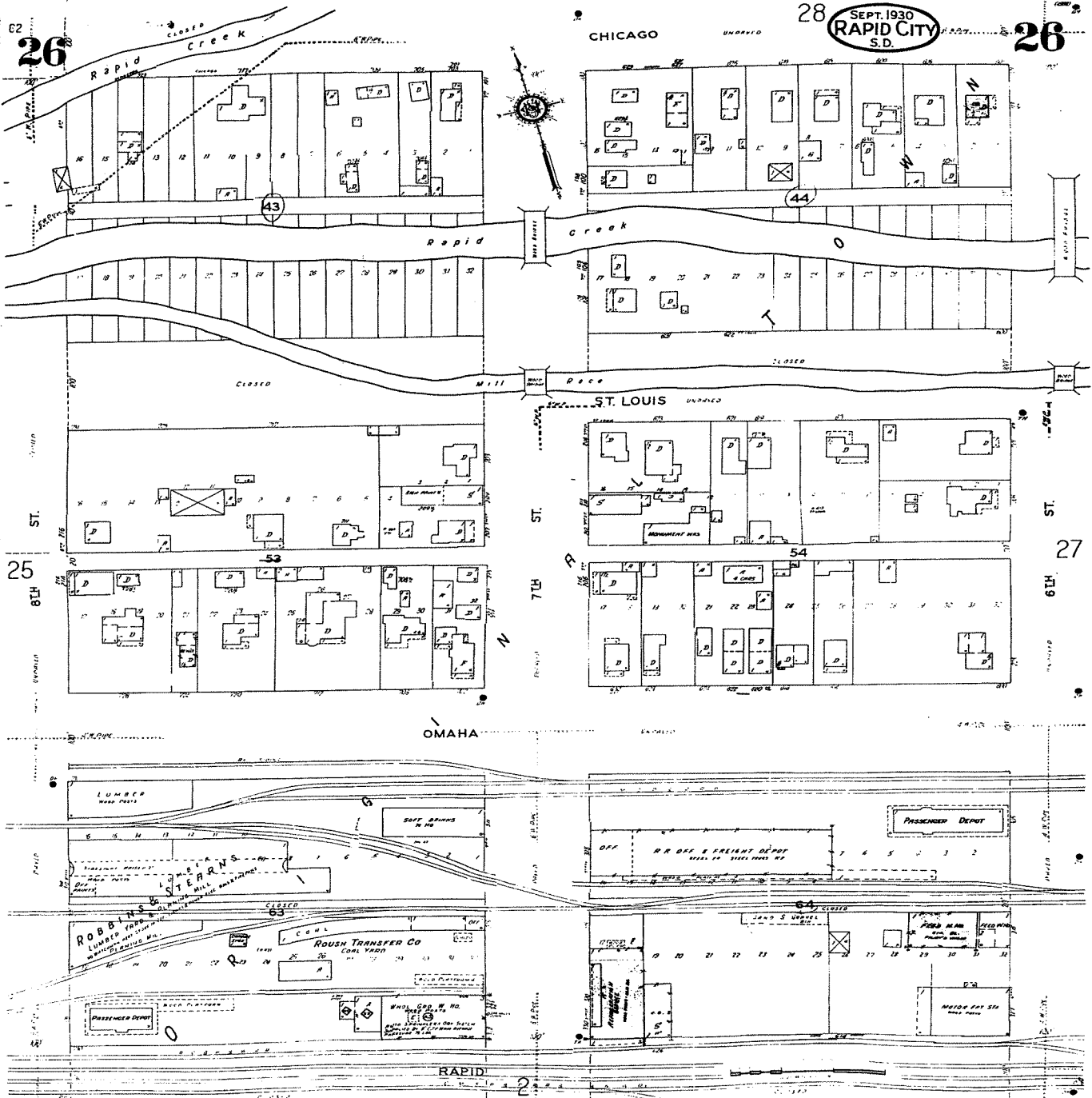
RAPID



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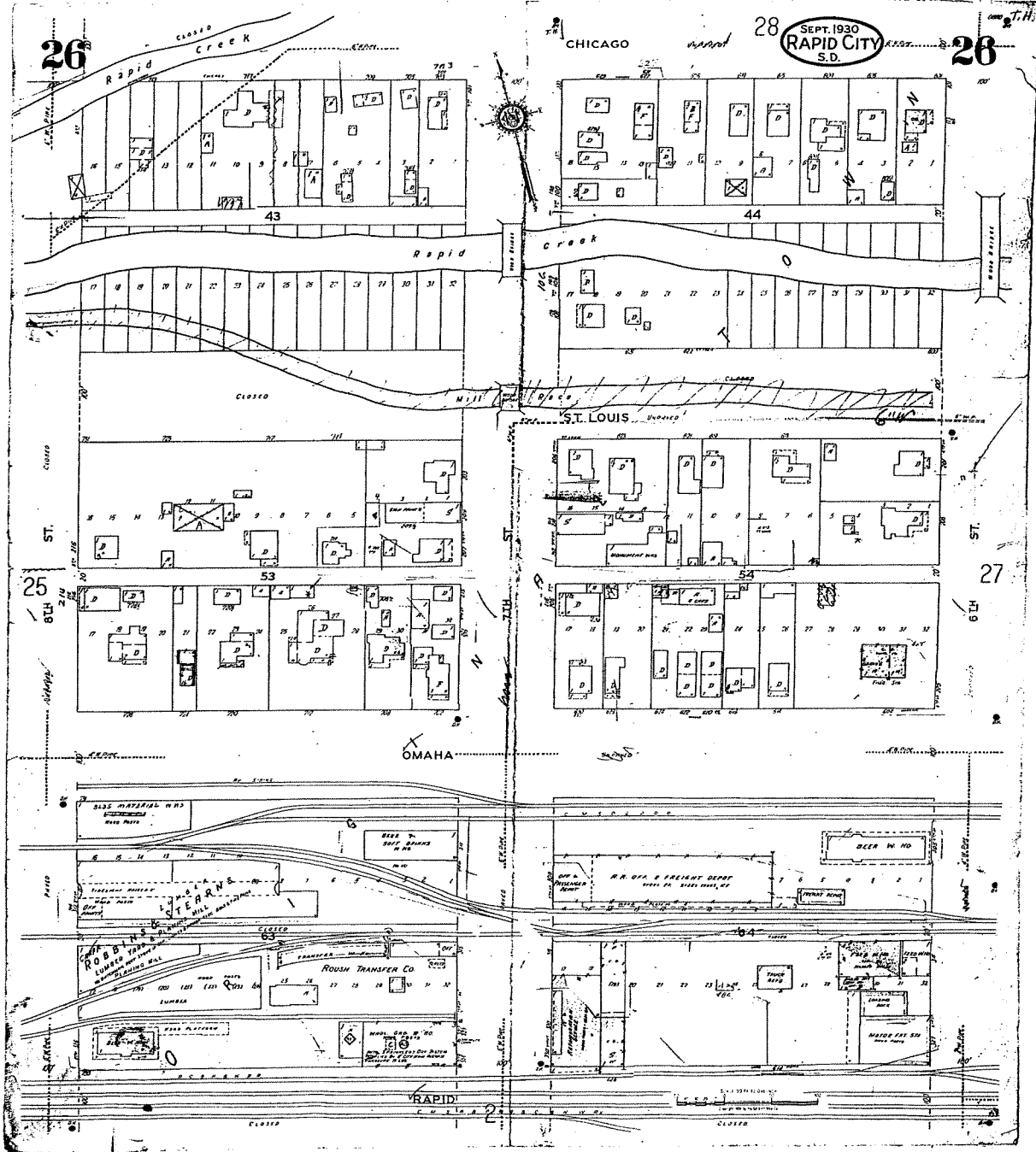




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## USER'S GUIDE

This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

### Reading Sanborn Maps

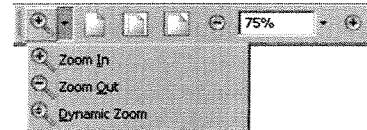
Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: <http://www.edrnet.com/reports/samples/key.pdf>

### Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

### Navigating the Electronic Sanborn Image File

1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
  - A. On the menu bar, click "View" and then "Zoom to..."
  - B. Or, use the magnifying tool and drag a box around the TP



### Printing a Sanborn Map From the Electronic File

- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

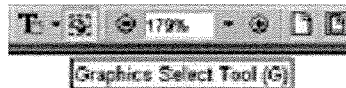
#### Acrobat Versions 6 and 7

1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.



#### Acrobat Version 5

1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.

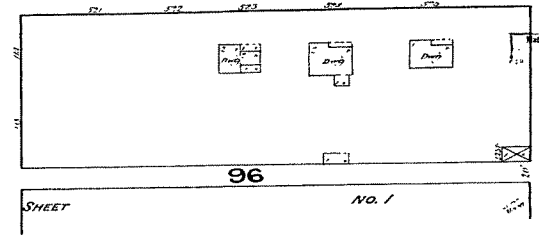
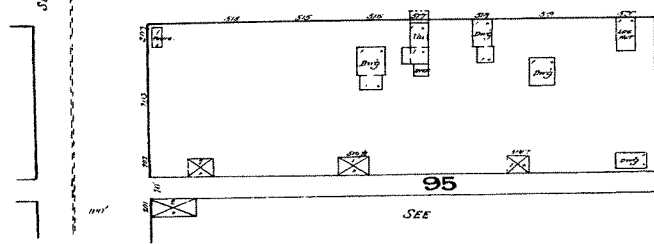
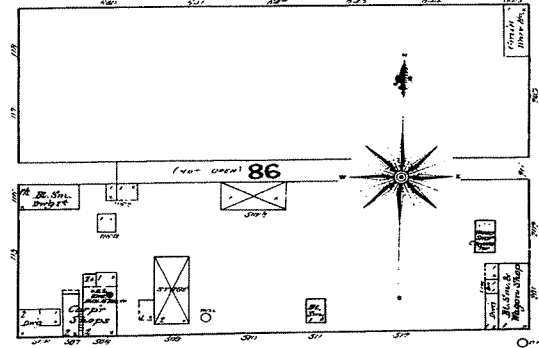
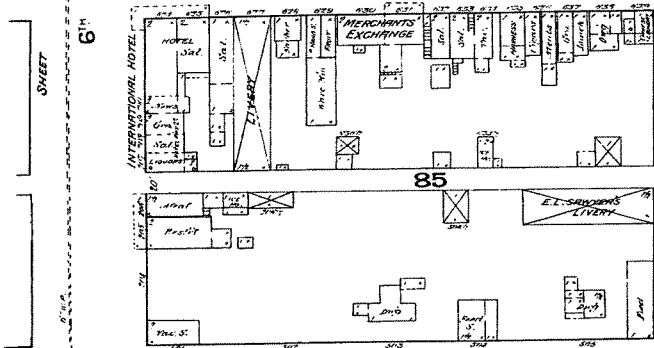
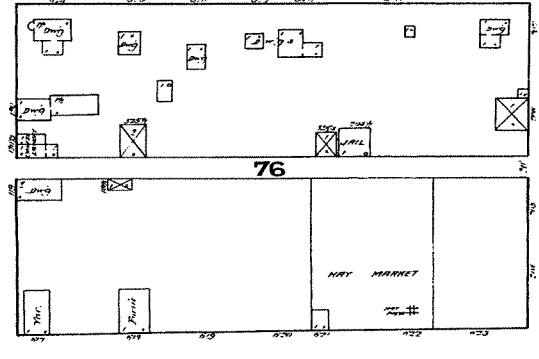
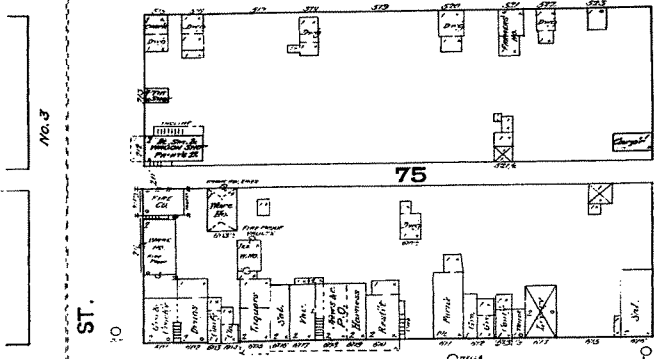
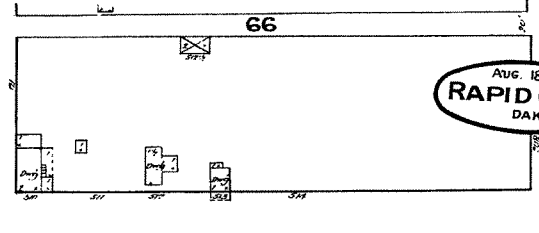
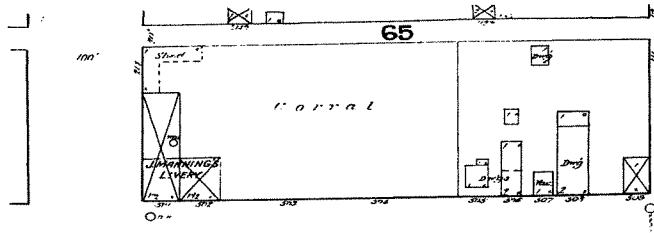


### Important Information about Email Delivery of Electronic Sanborn Map Images

- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years. Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.



AUG. 1887  
RAPID CITY  
DAK.



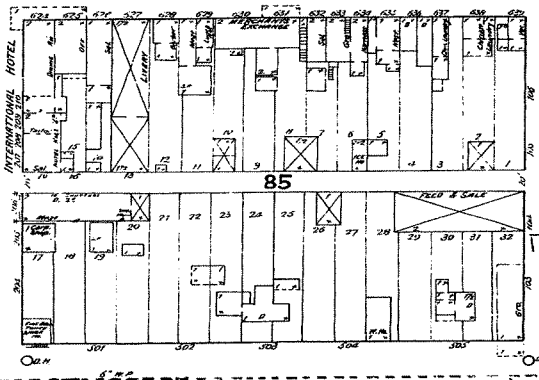
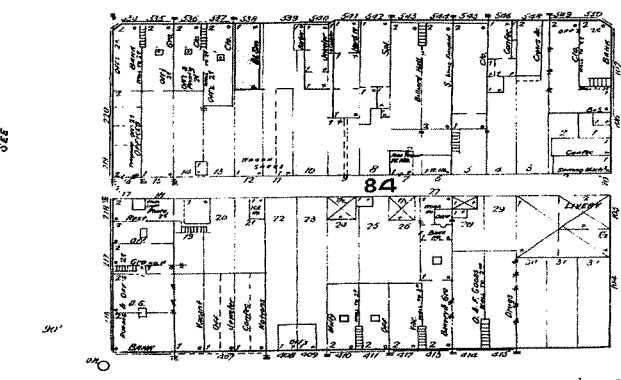
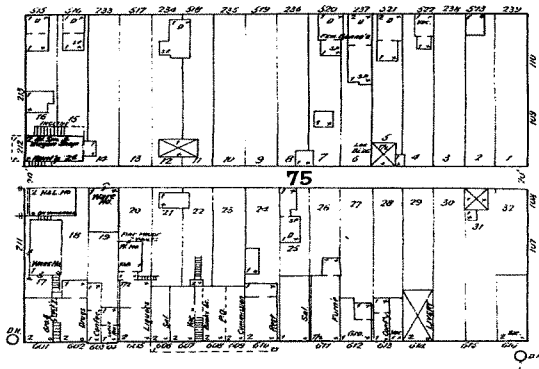
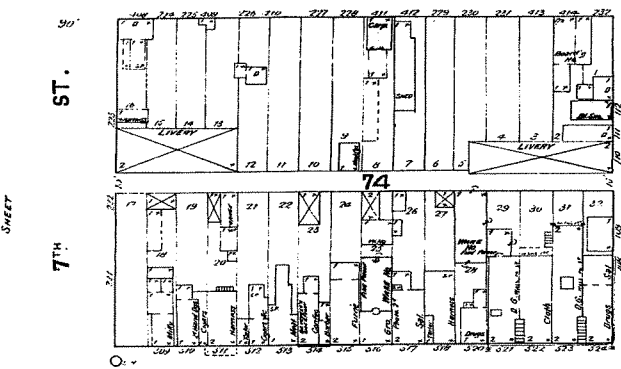
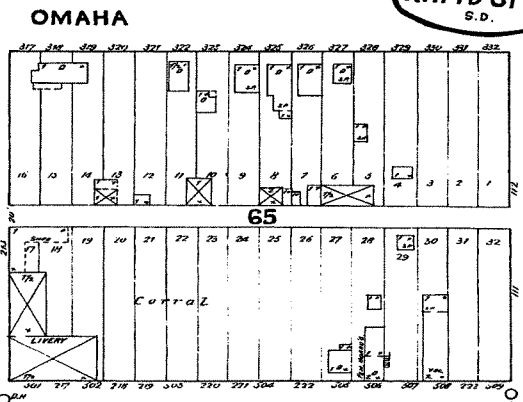
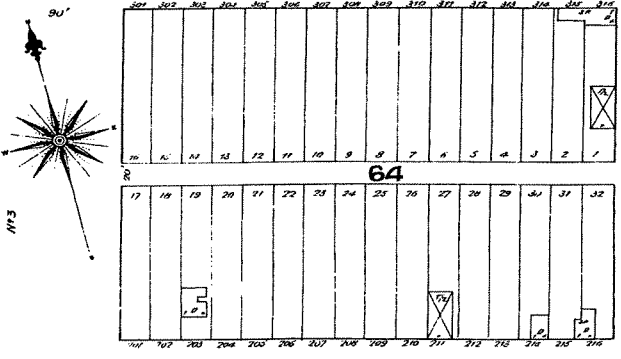
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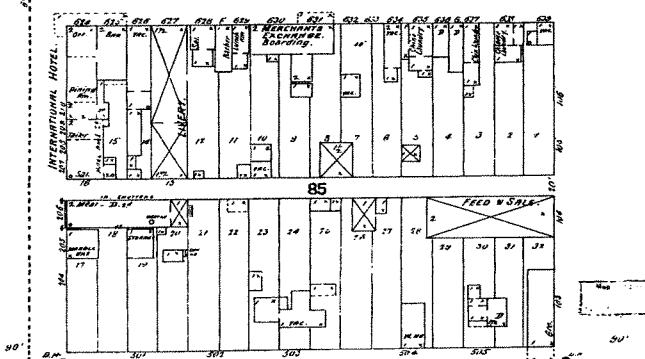
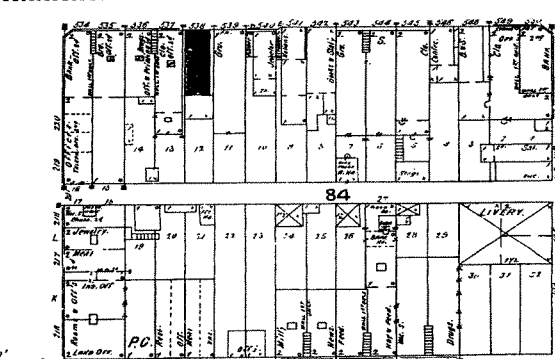
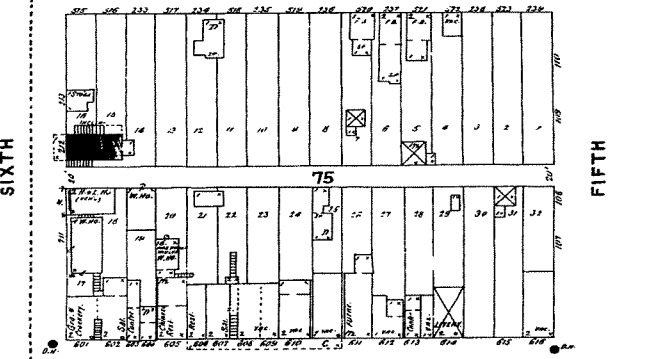
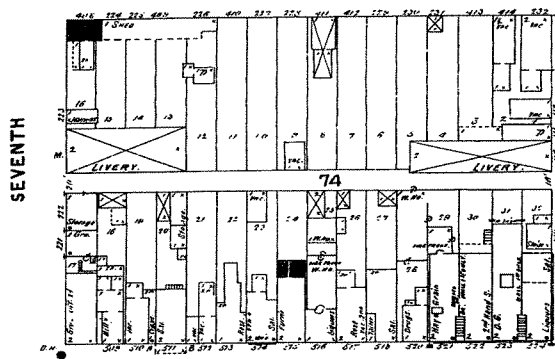
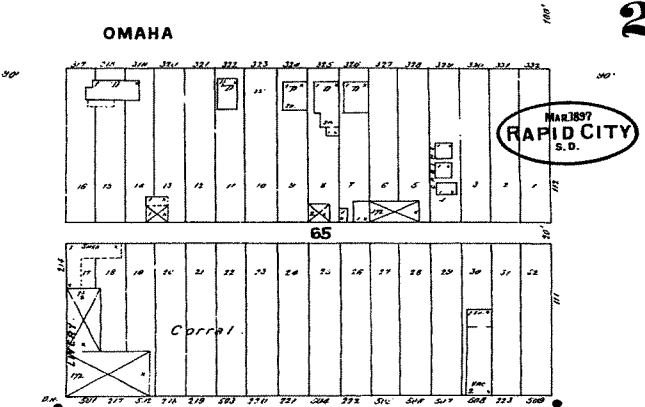
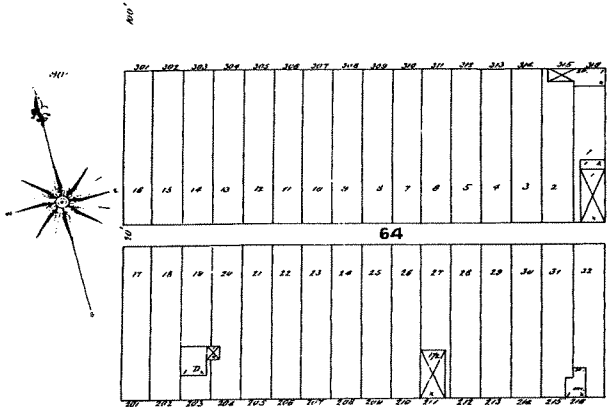
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Scale of Feet  
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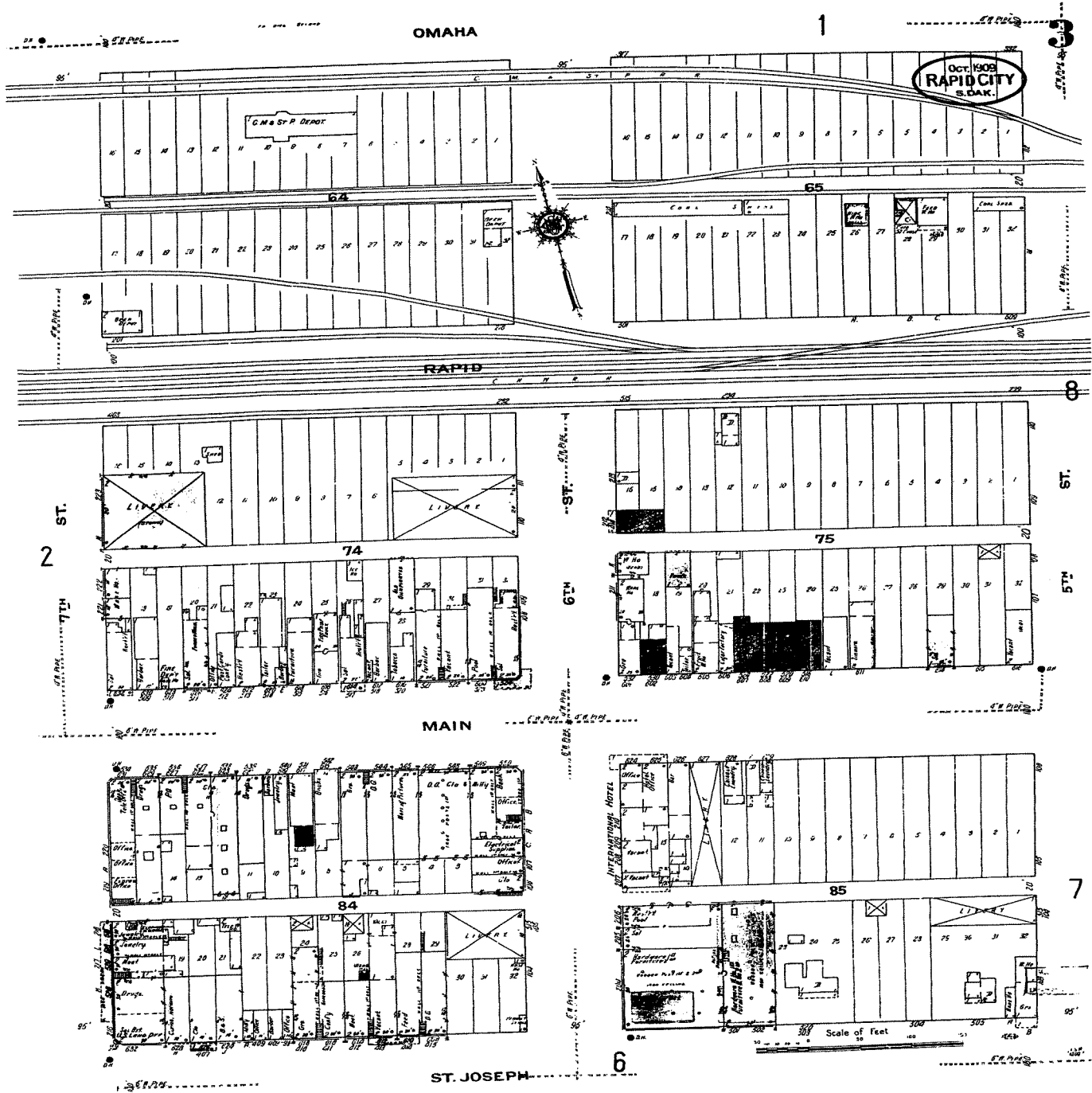
Scale of Feet  
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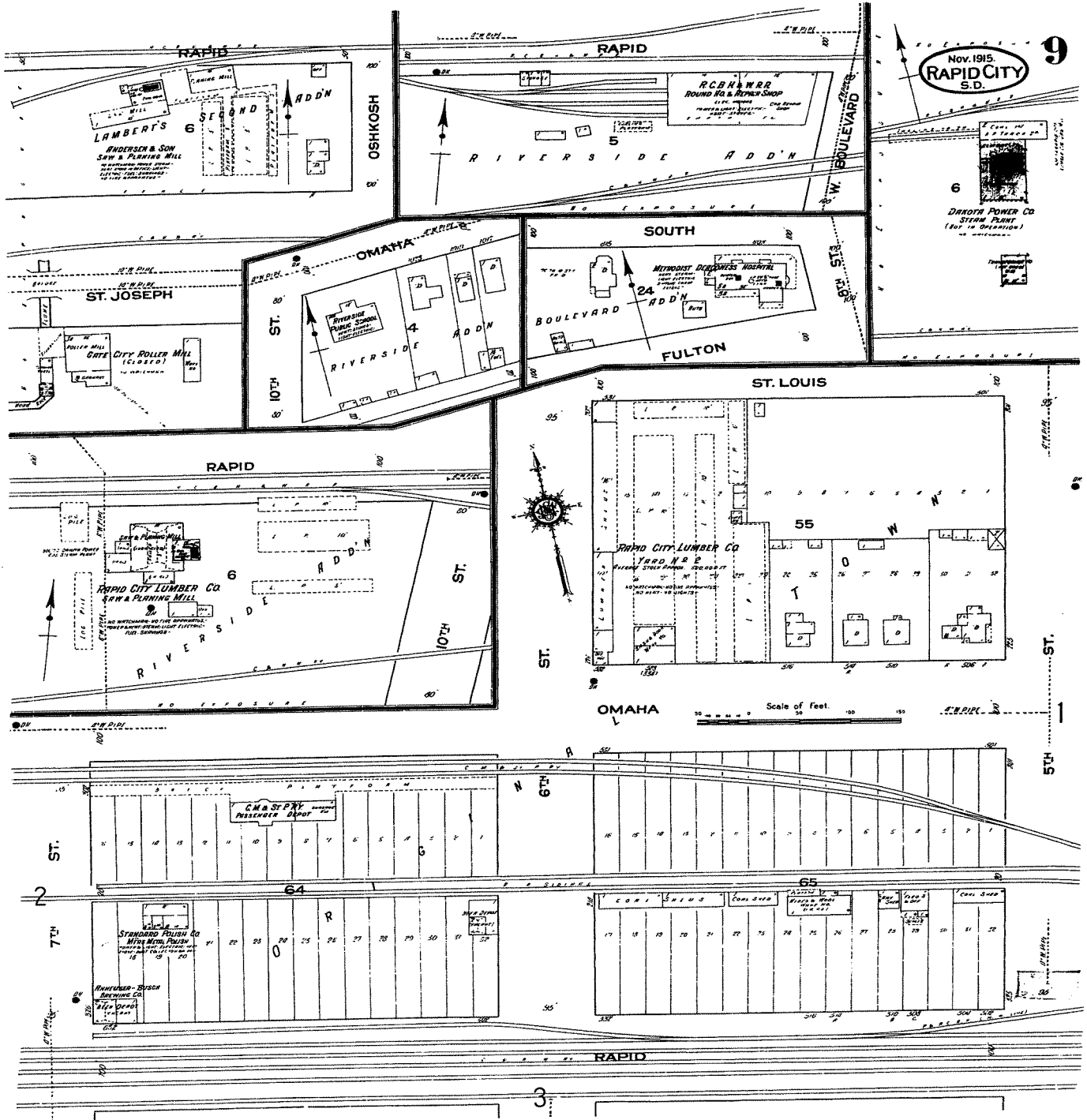




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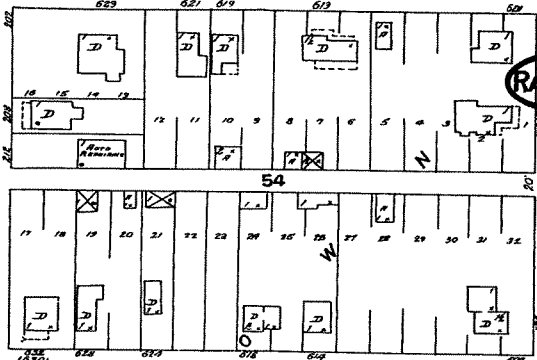
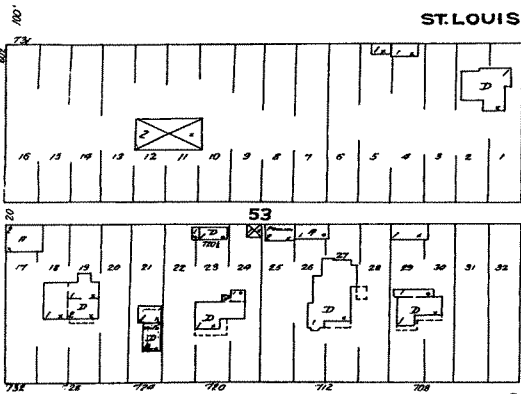


ST. LOUIS

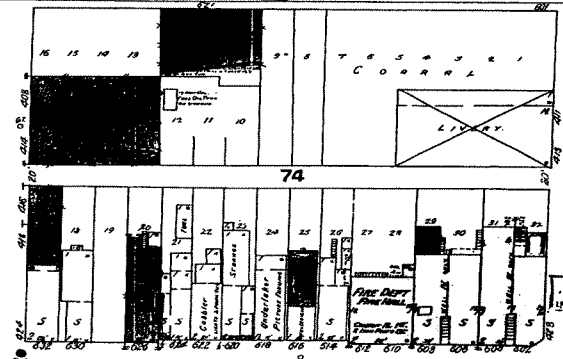
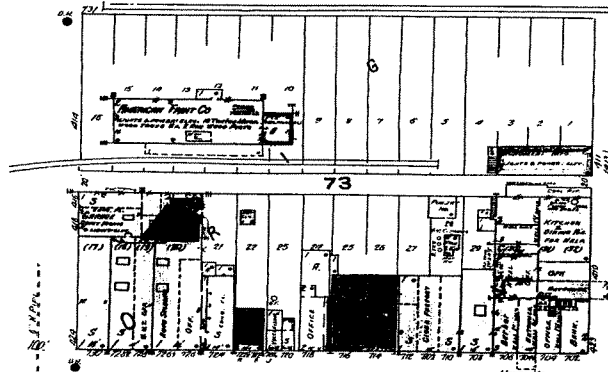
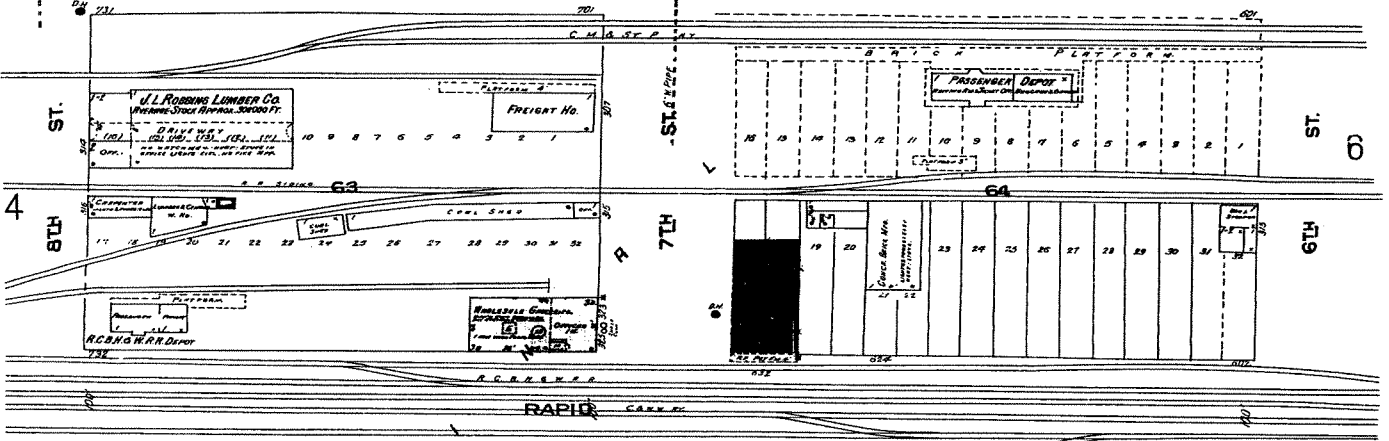
(111)

5

JUNES 1893  
RAPID CITY  
S.D.



OMAHA



MAIN

Scale of Feet.

2

3



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CLT UNIVERS  
 PENNINGTON COUNTY, SOUTH DAKOTA  
 INVENTORY CONTENT SHEET - COMMERCIAL

11/29/06

0  
 010 SIDWELL # 20 36 353 001 CARD 1 of 1 100 CURRENT CLASS NA-DC2 419 TOTAL ACRES 0.80  
 020 ACCOUNT # 0037237 101 PRIOR CLASS NA-DC2 113 COST FLAG  
 114 MAP/ROUTE 116.0 012. 102 SCHOOL DISTRICT 4D- -RC- 676 PRINT FLAG  
 110 PROP ADDRESS 306 7TH ST 103 DWELLING UNITS 0 677 VALUE FLAG 0 COST  
 012 GRANTOR 080 EXEMPTION CODE 678 OVERRIDE CODE 0 NO OVERRIDE  
 011 GRANTEE K & Y LLC 109 ZONING 679 OVERRIDE ID  
 013 STREET 406 W JUNIPER LN 112 NEIGHBORHOOD 212.7 081 % TAXABLE 0.00  
 014 CITY/STATE GILLETTE, WY LAST UPDATE 4/27/2006  
 015 ZIP CODE 82718-5341 107 REVEIWER ESTIMATE 0

	PRIOR VALUE	CURRENT VALUE	COST VALUE	MARKET VALUE	EQUALIZED VALUE
LAND	455,000	455,000	455,000		414,505
BLDG	421,000	432,000	431,979		393,552
AG BLDG	0	0	0		0
TOTAL	876,000	887,000	886,979	0	808,057

SALES INFORMATION

BUILDING PERMIT RECORD

GRANTOR	GRANTEE	SALE PRICE	DATE LIBER/PG	TERMS	S	T	VL	PERMIT #	DATE PERMIT	PRICE	REASON
201 FREIGHT HOUS	K & Y LLC	715,000	0 86-9066	00-03925	3	2	9	230 10320	20010328	4,000	DECK AND CANOPY
202 PONDEROSA CH	FREIGHT HOUS	0	0 86-9065	00-03924	3	2	4	231 10293	20010320	2,160	AWNINGS
203 GUSTAFSON, M	PONDEROSA CH	0	199912 82-1758	99-04495	2	2	4	232 10192	20010306	1,450	KITCHEN HOOD

ENTRANCE CODE	DATE	INFO CODE	LISTER	LEGAL DESCRPTION
104 8	19981012	0 BLANK	H/D	671 ORIGINAL TOWN OF RAPID CITY BLOCK 64
105 8	19961120	0 BLANK	DGP	672 LOT 7-16
106 8	19011204	0 BLANK	H/W	673
				674

116 NOTE FIELD AN  
 117 NOTE FIELD  
 118 NOTE FIELD  
 119 NOTE FIELD

LAND INFORMATION

LOT TYPE	ACT	EFF	DEPTH	UNIT	FACT	PRICE	INF	INF	INF %	VALUE
301 0	0.00	0	0	0.00	0	0	0	0	0	0
302 0	0.00	0	0	0.00	0	0	0	0	0	0
303 0	0.00	0	0	0.00	0	0	0	0	0	0
SF TYPE	SQ FEET	UNIT PRICE	INF	INF	INF %	VALUE				
341 1	35000	13.00	0	0	0	455,000				
342 0	0	0.00	0	0	0	0				
343 0	0	0.00	0	0	0	0				
ACRE TYPE	ACRES	SOIL	UNIT PRICE	INF	INF	INF %	VALUE			
371 0	0.00	0	0	0	0	0	0			
372 0	0.00	0	0	0	0	0	0			
373 0	0.00	0	0	0	0	0	0			
374 0	0.00	0	0	0	0	0	0			
375 0	0.00	0	0	0	0	0	0			
376 0	0.00	0	0	0	0	0	0			

420 GROSS TYPE	0 BLANK	427 PUBLIC IMPROV	0 ALL PUBLIC
421 GROSS SIZE	0	428 PUBLIC IMPROV	0 ALL PUBLIC
422 GROSS SIZE TYPE	0 BLANK	429 PUBLIC IMPROV	0 ALL PUBLIC
423 GROSS VALUE	0	430 PUBLIC IMPROV	0 ALL PUBLIC
424 STREET/ROAD	1 PAVED	431 PUBLIC IMPROV	0 ALL PUBLIC
425 STREET/ROAD	5 CURB/GUTTER	432 TOPOGRAPHY	1 LEVEL
426 STREET/ROAD	6 SIDEWALK	433 TOPOGRAPHY	0 BLANK
		434 TOPOGRAPHY	0 BLANK
		936 LOCATION	5 2ND STRIP

GENERAL BLDG DATA				APARTMENT DATA				BUILDING OTHER FEATURES/ATTACHED IMPROVEMENTS									
700 BLD #				790 EFFICIENCY				LINE	STRUCTURE	FLAT	MEAS-1	MEAS-2	IDENT	COST			
700 BLD #	1			790 EFFICIENCY	0			711 2	RP2		9 0	10	1	830			
701 YEAR BUILT	1923			791 1 BEDROOM	0			712 2	CP1		4 0	182	1	10,811			
702 NO. UNITS	1			792 2 BEDROOM	0			713 2	SS1		50 0	225	1	17,775			
703 TYPE BLDG	22			793 3 BEDROOM	0			714 0			0 0	0	0	0			
704 STORY HEIGHT	1.0			PARKING DATA				715 0			0 0	0	0	0			
705 # IDENT UNITS	1			794 COVERED	0			716 0			0 0	0	0	0			
706 YEAR REMOD	1988			795 UNCOVERED	0			717 0			0 0	0	0	0			
								718 0			0 0	0	0	0			

INTERIOR/EXTERIOR DATA																										
										H A L P ADJ			F													
SEC	LEVEL	SIZE1	SIZE2	PERIM	USE	HGT	WLS	FD	CLS	ADJ	QLT	T	C	INT	T	L	MOD	%	RATE	PHY	FUNC	UNADJ	RCN	L	%GOOD	RCNLD
501	1	B1 B1	43	50	186 94	8	3	0	C	0	AV	0	0	0	0	0	0	0	22.24	1	1	47,816			0.17	8,129
502	1	1 1	50	225	550 23	14	1	3	C	0	AV	13	0	2	2	2	0	0	79.08	2	2	919,066			0.45	413,580
503	0		0	0	0 0	0	0	0		0	0	0	0	0	0	0	0	0	0.00	0	0	0			0.00	0
504	0		0	0	0 0	0	0	0		0	0	0	0	0	0	0	0	0	0.00	0	0	0			0.00	0
505	0		0	0	0 0	0	0	0		0	0	0	0	0	0	0	0	0	0.00	0	0	0			0.00	0
506	0		0	0	0 0	0	0	0		0	0	0	0	0	0	0	0	0	0.00	0	0	0			0.00	0
507	0		0	0	0 0	0	0	0		0	0	0	0	0	0	0	0	0	0.00	0	0	0			0.00	0
508	0		0	0	0 0	0	0	0		0	0	0	0	0	0	0	0	0	0.00	0	0	0			0.00	0

INCOME APPROACH OVERRIDES/SUMMARY OF BUILDING VALUE										
466 CAP. RATE	0	783	TOTAL UNADJ RCN	966,882	800	GROSS BUILDING				
467 EXPENSES	0	784	AVE % GOOD	.44	+/-	VALUE				0
468 INCOME	0	TOTAL UNADJ RCNLD	421,708	891	OTHER IMPROVMENTS					
469 OCCUPANY	0	705	# IDENT UNITS	1	+/-	VALUE				0
470 EFFECTIVE AGE	1976	ECON COND FACT	1.00	TOTAL OBY	10,271					
		PARTIAL %	0.00							

YARD IMPROVEMENTS AND/OR SECONDARY BUILDING

STRUC	CODE	+/-	DIMENSIONS	PER	UNITS	PHY	FUNC	YEAR	ADJ	F	RCN	L	%GOOD	RCNLD
801	PC2	35	225	0	1	1	1	1923	0		17,940		.10	1,794
802	PA1	0	15772	0	1	3	3	1970	0		15,724		.50	7,862
803	DK2	10	14	0	1	3	3	1923	0		1,230		.50	615
804		0	0	0	0	0	0	0	0		0		.00	0
805		0	0	0	0	0	0	0	0		0		.00	0
806		0	0	0	0	0	0	0	0		0		.00	0
807		0	0	0	0	0	0	0	0		0		.00	0
808		0	0	0	0	0	0	0	0		0		.00	0
809		0	0	0	0	0	0	0	0		0		.00	0
810		0	0	0	0	0	0	0	0		0		.00	0

NOTE FIELD:  
SANFORD'S GRUB & PUB



APPENDIX D  
REFERENCES

## REFERENCES

### **Agencies Contact Records Reviewed:**

Pennington County Equalization Department, November 29, 2006

Pennington County Fire Department, November 29, 2006

Pennington County Register of Deeds, November 29, 2006

Rapid City Development Service Center, November 29, 2006

Rapid City Growth Management Department, November 29, 2006

Rapid City Public Library, November 29, 2006

Rapid City Water and Sewer Department, November 29, 2006

USDA, Pennington County Field Office, November 29, 2006

### **Other Documents Reviewed:**

EDR Database Report, December 1, 2006

Aerial photograph dated circa 2006.

Topographic Maps dated 1953, 1971, and 1978.

Sanborn Maps dated 1887, 1891, 1897, 1909, 1915, 1923, 1930, 1948, and 1951.