

Exhibit No. ____ (BJC-6T)
Docket No. UG-11 ____
Witness: Barbara J. Cronise

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

In the Matter of)
)
NORTHWEST NATURAL GAS)
COMPANY, dba NW Natural,)
)
Revision to Schedule P to include)
acknowledging the recovery of the cost)
of gas acquired through Gas Reserves.)

Docket No. UG-11 ____

NORTHWEST NATURAL GAS COMPANY

EXHIBIT OF BARBARA J. CRONISE

ENVIRON REPORT

July 6, 2011



Phase I Environmental
Site Assessment
and Limited Environmental
Compliance Review
EnCana Oil & Gas (USA) Inc.
Portions of the Jonah Natural Gas
Field
Sublette County, Wyoming

Prepared for:
Stoel Rives, LLP
Portland, Oregon

On behalf of:
Northwest Natural Gas Company
Portland, Oregon

Prepared by:
ENVIRON International Corporation
Emeryville, California

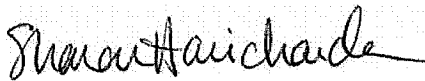
Date:
March 3, 2011

Project Number:
03-26913A

Signature and Environmental Professional Statement

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR §312.10.

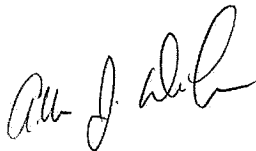
Further, we have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Sharon Harichandran
Senior Associate



Nick Walchuk, PG, REA
Senior Manager



Allan J. DeLorme, PE
Managing Principal

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1 Introduction

1.1 Objective

ENVIRON International Corporation (ENVIRON) was retained by Stoel Rives, LLP on behalf of Northwest Natural Gas Company (NW Natural) to conduct an environmental review of the EnCana Oil & Gas (USA) Inc. (EnCana USA or the "Company") facility at portions of the Jonah Natural Gas Field in Sublette County, Wyoming (the "site" or the "facility" or the "property"), including:

- Select portions of the "Downdip Area"
 - NE1/4 and SW1/4, Section 9, T29N, R108W
 - SW1/4 Section 11, T29N, R108W
 - NE1/4 and SW1/4, Section 10, T29N, R108W
 - NE1/4, Section 14, T29N, R108W
 - N1/2, SW1/4, Section 14, T29N, R108W
 - NE1/4 and SW1/4, Section 15, T29N, R108W
 - NE1/4 and SW1/4, Section 16, T29N, R108W
 - NE1/4 and SW1/4, Section 17, T29N, R108W
- Select portions of the "Updip Area"
 - Section 32, T29N, R108W
 - Section 33, T29N, R108W
 - Section 34, T29N, R108W

EnCana USA leases federal and state mineral rights in the Downdip and Updip Areas and surface rights on portions of the Downdip and Updip Areas where natural gas production equipment and a storage area are located.

The environmental review includes two components: 1) a Phase I Environmental Site Assessment (ESA); and 2) a limited review of regulatory compliance and other environmental matters.¹

The objective of the Phase I ESA, which was conducted in conformance with the scope and limitations of ASTM International's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property E2247-08* (the "ASTM Standard"), was to identify Recognized Environmental Conditions (RECs), as defined in the ASTM Standard. ENVIRON's regulatory compliance review, completion of which is not

¹ Other environmental matters evaluated in this assessment include limited visual observations of building materials for presumed asbestos-containing materials (PACMs) and a limited assessment of off-site waste management facilities.

required by the ASTM Standard, is a limited screening tool and is not a substitute for a comprehensive multi-media compliance audit.

1.2 Scope of Work

The environmental review included the following tasks:

- A visit to the site by Sharon Harichandran of ENVIRON on February 3, 2011 to observe the site and to identify the uses and conditions specified in Sections 9.4.1 through 9.4.4.7 of the ASTM Standard. In addition, ENVIRON observed the adjoining properties from the site or adjacent public thoroughfares. Photographs taken during the site visit are presented in Appendix A.
- An interview during the site visit with the following EnCana USA employee (year of initial hire indicated in parentheses): Greg Schamber, Regulatory Analyst of EnCana USA (2006). Interviews prior to and after the site visit with the following Company employees (initial year of hire associated with the site indicated in parentheses): Julia Gwaltney, Jonah Field Team Lead of EnCana USA (2002), and David Stewart, Environmental, Health, and Safety Group Lead, North Rockies, of EnCana USA (2006). The aforementioned employees are referred to herein as "Company personnel." The Company personnel interviewed by ENVIRON were identified by the Company as having good knowledge of the uses and physical characteristics of the site, as well as of regulatory compliance matters.
- A review of information contained in federal and state environmental databases, as obtained from the sources noted below:
 - Radius reports prepared by Environmental Data Resources, Inc. (EDR, see Appendix B), which presents the results of searches of federal and state databases for the subject site, as well as properties near the subject site. The radius searched for each database, as well as the databases themselves, was selected in accordance with Section 8.2.1.1 of the ASTM Standard.
 - The United States Environmental Protection Agency's (USEPA's) Envirofacts database, which provides site information contained in multiple USEPA regulatory databases.
 - The USEPA's Enforcement and Compliance History Online (ECHO) database, which provides information on sites' enforcement and compliance history.
 - The USEPA's Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-Potentially Responsible Party (PRP) database, which was searched to determine whether the Company is listed as a PRP at any Superfund sites.
 - The USEPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database, which was searched to determine if any current or past off-site waste management facilities used by the Company or its known predecessors are listed on the National Priorities List (NPL) or CERCLIS.
 - The Occupational Safety and Health Administration (OSHA) Establishment Search database, which provides site-specific information on OSHA inspections.

- A review of gas well information related to the site from the on-line Wyoming Oil and Gas Conservation Commission (WOGCC) data base.
- A review of water rights information related to the site from the on-line Wyoming State Engineer's Office (WSEO) Water Rights Database.
- A review of standard historical sources and local agency inquiries, as defined in the ASTM Standard. The following resources were reviewed:
 - Readily available historical sources (as identified in Section 3.2 of this report and included as Appendix C) to develop a history of the previous uses of the site and surrounding area.
 - Historical and site-specific information obtained from the following local agency: the online Sublette County GIS/Map Server, which includes county zoning information, well head locations, and property ownership information. ENVIRON also attempted to obtain information from the online Sublette County Land Records Search (records recorded between August 10, 2007 and February 8, 2011); however, no records were available for the site.
- ENVIRON attempted to contact Tom Kropatch of the WOGCC regarding the presence or absence of contamination at the site. A response had not been received at the time this report was completed.
- A review of documents provided to ENVIRON by Company personnel, including site layouts (Appendix D), environmental permits, waste manifests/off-site waste disposal information, facility-prepared plans and procedures, and chemical use information. Company personnel reported that, to their knowledge, no Phase I ESAs or Phase II site investigations have previously been conducted for the site; however, annual groundwater monitoring is conducted.
- A review of documents obtained online from the U.S. Department of the Interior Bureau of Land Management (BLM):
 - *Record of Decision (ROD), Jonah Infill Drilling Project, Sublette County, Wyoming*, prepared by the BLM Wyoming State Office, dated March 14, 2006 (the "ROD" report); and
 - *Final Environmental Impact Statement, Jonah Infill Drilling Project, Sublette County, Wyoming*, prepared by the BLM Wyoming State Office and the Pinedale and Rock Springs Field Offices, dated January 2006 (the "Final EIS report").
- A review of physical setting sources, as defined in the ASTM Standard, including:
 - The current USGS 7.5-minute topographic map that shows the area on which the site is located.
 - Geologic, hydrogeologic, or hydrologic sources as provided in the EDR report and in the above-listed previous reports.
- A review of the responses provided by NW Natural to a User Questionnaire consistent with Appendix X3 of the ASTM Standard. The information provided by NW Natural is discussed in Section 3.5 of this report.

1.3 Reliance and General Limitations

This environmental review has been prepared exclusively for use by Stoel Rives, LLP, NW Natural, and such other persons or entities whose reliance is explicitly authorized in writing by ENVIRON.

The Phase I ESA is considered current provided that it was completed within one year prior to the date that NW Natural accepts an interest in the site and assuming that the interviews, search for environmental liens, review of government records, visual inspections and the declarations by the environmental professional are updated within 180 days prior to the subject transaction. The conclusions presented in this report represent ENVIRON's best professional judgment based upon the information available and conditions existing as of the date of the review. In performing its assignment, ENVIRON must rely upon publicly available information, information provided by the client and information provided by third parties. Accordingly, the conclusions in this report are valid only to the extent that the information provided to ENVIRON was accurate and complete. This review is not intended as legal advice, nor is it an exhaustive review of site conditions or facility compliance. ENVIRON makes no representations or warranties, express or implied, about the conditions of the site.

ENVIRON's scope of work for this assignment did not include collecting samples of any environmental media, nor is such investigation required by the ASTM Standard generally or necessary in this instance to identify recognized environmental conditions at the site. As such, this review cannot rule out the existence of latent conditions, and is intended, consistent with normal standards of practice and care, to assist the client in identifying the risks of such conditions.

The scope of work for this assessment did not include an asbestos survey or inspection, nor are these tasks required by the ASTM Standard. According to federal OSHA regulations (29 CFR §1910.1001) and the Model Accreditation Plan (MAP; 40 CFR Part 763, Subpart E, Appendix C), the inspection, testing, evaluation, and/or sampling of suspect asbestos-containing materials must be conducted by an accredited inspector; these activities were not performed as part of this environmental review.

2 Summary of Conclusions

2.1 Introduction

ENVIRON was retained by Stoel Rives, LLP on behalf of NW Natural to conduct an environmental review of the EnCana USA facility. The environmental review includes two components: 1) a Phase I ESA; and 2) a limited review of regulatory compliance and other environmental matters.

To help evaluate the business risk of the identified environmental findings, ENVIRON considered various factors, exercised its judgment, and categorized these findings, based on a materiality threshold of \$100,000, as follows:

Material – Confirmed or otherwise demonstrated impairment of environmental media or regulatory non-compliance that typically would require expenditures in excess of the materiality threshold.

Potentially Material – Suspect impairment of environmental media or potential regulatory non-compliance that has not been confirmed or otherwise demonstrated through appropriate collection of data or technical analysis. Expenditures in excess of the materiality threshold could be required if suspect impairment or regulatory non-compliance were to be confirmed.

Noteworthy – Issues that are not expected to result in expenditures in excess of the materiality threshold.

Additional discussion of the individual findings summarized below is presented in Sections 2.2 through 2.4 below and in the body of this report.

2.2 Summary of Phase I ESA

EnCana USA leases mineral rights and surface rights on federal and state-owned land and operates a natural gas exploration and production (E&P) facility in portions of the Jonah Natural Gas Field in Sublette County, Wyoming. The site is located within the larger Jonah Infill Drilling Project Area (JIDPA). The site is located on federal public land, except for those portions of the site in Section 16, T29N, R108W, which is located on State of Wyoming land. The non-contiguous 3,920-acre site is primarily undeveloped rural land with natural gas wells and associated equipment. The site was undeveloped range land until it was developed as a gas field by McMurry Oil in the 1990s. EnCana USA acquired McMurry Oil in June 2000 and has since operated the E&P facility at the subject site and surrounding areas. In 2006, EnCana USA and other operators obtained approval from the BLM to commence infield drilling. Since 2006, EnCana USA has installed additional gas wells and central delivery points (CDPs) at the site. Although the total number of on-site wells and CDPs was not available, EnCana USA currently maintains approximately 300 natural gas wells and 40 CDPs in the DOWNDIP and UPDIP Areas.

Recognized Environmental Conditions

ENVIRON performed a Phase I ESA of the portions of the Jonah Natural Gas Field in Sublette County, Wyoming identified in section 1.1 in conformance with the scope and limitations of the ASTM Standard. Any exceptions to, or deletions from, this practice are described in Section 3.9 of this report. This assessment has revealed no RECs or historical RECs in connection with the facility.

De Minimis Conditions

ENVIRON identified the following *de minimis* conditions: 1) on-site gas wells and CDPs; 2) reclaimed (lined) reserve pits; and 3) the Anadarko Compressor Station. Additional discussion of these findings is provided in Section 3.8.

2.3 Summary of Environmental Compliance Review

EnCana USA holds environmental permits or approvals for air emissions, construction storm water discharges, and water withdrawal, and is registered as a generator of hazardous waste. The site also submits chemical inventory reports to federal and state agencies and maintains a number of environmental plans and procedures.

ENVIRON identified two potential compliance findings that are each considered noteworthy from a business risk perspective (i.e., the cost to address an individual finding is not reasonably likely to exceed \$100,000). ENVIRON's analysis does not account for fines or penalties that may be levied by the USEPA or the state environmental agency in response to the noted regulatory compliance findings; however, potential fines could be significantly minimized if these findings are promptly and voluntarily corrected. A summary of ENVIRON's review of environmental compliance matters at the facility is presented in Table 4.1.

- **Supplemental Environmental Project (SEP).** In 2009, EnCana USA was issued two Notices of Violation (NOVs) for failure to comply with permit conditions for the control of vapor emissions from condensate tanks at two CDPs. The Company entered into a Settlement Agreement with the Wyoming Department of Environmental Quality (WDEQ) in 2010 for the two NOVs at the subject site and five NOVs and 12 additional alleged violations at off-site areas operated by EnCana USA. In accordance with the Settlement Agreement, EnCana USA agreed to resolve all of the NOVs and alleged violations through the payment of a \$49,000 civil penalty in addition to implementation of a proposed SEP estimated at \$231,000. The SEP must be completed by February 28, 2011, and consists of an evaluation of nitrogen oxide emission control technology for a natural gas fired engine. The Company has paid the \$49,000 civil penalty and a total of \$217,900 towards completion of the SEP, and expects to pay the remaining \$13,100 prior to February 28, 2011. Therefore, the remaining SEP cost pursuant to the Settlement Agreement is not expected to be material.
- **Groundwater Appropriation Permitting.** EnCana USA currently pumps groundwater from several on-site industrial supply wells for on-site use (e.g., well drilling, dust control on roads, irrigation on reclaimed areas). EnCana USA originally permitted the wells with the WSEO in 2005 and 2006; these permits are automatically cancelled by the WSEO unless the Company provides written requests to extend the permits. ENVIRON was not provided

with documentation confirming EnCana USA's permit extensions and therefore could not confirm that the Company maintains current groundwater appropriation permits issued by the WSEO. While ENVIRON has requested such documentation from the Company, EnCana USA personnel indicated that, if available, such information had not yet been located. The cost to obtain permits to appropriate groundwater for such uses is not expected to be material.

2.4 Summary of Other Environmental Matters

ENVIRON's scope of work also included a limited off-site waste disposal liability review, and ENVIRON made inquiries with Company personnel regarding the operations and environmental regulatory compliance at two off-site EnCana USA-operated facilities (a land farm and a wastewater treatment facility, both located in Section 36, T29N, R108W (to the east of the Updip Area). EnCana USA conducts aeration of petroleum hydrocarbon-impacted soil at the land farm. EnCana USA conducts wastewater treatment/recycling of produced water at the wastewater disposal facility. Treated water is re-used by EnCana USA during drilling activities or is disposed in off-site underground injection wells. According to Company personnel, EnCana USA has not received any violations regarding its operations at the land farm or the wastewater treatment facility.

In addition, the Company is not listed as a PRP at any off-site disposal locations, and ENVIRON did not identify any potentially material concerns related to potential off-site waste disposal liabilities.

Company personnel also indicated that the EnCana USA is not named in any pending, threatened, or past litigation regarding hazardous substances or petroleum products in relation to the Site.

3 Phase I Environmental Site Assessment

3.1 Site Setting

EnCana USA leases and operates a natural gas E&P facility located in portions of the Jonah Natural Gas Field in Sublette County, Wyoming (the "site" or the "facility" or the "property"), including:

- Select portions of the "Downdip Area"
 - NE1/4 and SW1/4, Section 9, T29N, R108W
 - SW1/4 Section 11, T29N, R108W
 - NE1/4 and SW1/4, Section 10, T29N, R108W
 - NE1/4, Section 14, T29N, R108W
 - N1/2, SW1/4, Section 14, T29N, R108W
 - NE1/4 and SW1/4, Section 15, T29N, R108W
 - NE1/4 and SW1/4, Section 16, T29N, R108W
 - NE1/4 and SW1/4, Section 17, T29N, R108W
- Select portions of the "Updip Area"
 - Section 32, T29N, R108W
 - Section 33, T29N, R108W
 - Section 34, T29N, R108W

EnCana USA leases federal and state mineral rights on all of the Downdip and Updip Areas and surface rights on portions of the Downdip and Updip Areas where natural gas production equipment and a storage area are located. The site is located approximately 35 miles southwest of Pinedale, Wyoming (Figure 1).

The site is located within the larger Jonah Infill Drilling Project Area (JIDPA) on federal and state land. EnCana USA currently maintains approximately 300 natural gas wells and 40 CDPs in the Downdip and Updip Areas. The site is improved with gas well huts, non-potable water wells, natural gas/condensate/water separators, aboveground storage tanks (ASTs) containing condensate (i.e., a low-density mixture of hydrocarbon liquids extracted along with produced water from natural gas wells), and other natural gas E&P equipment (Figure 2 and Appendix D). A surface storage area is located on Section 32, T29N, R108W and includes production equipment and a methane tank farm.

Access to the JIDPA is provided by Luman Road, which meets U.S. Highway 191 to the east of the site. Paved and unpaved roads (Luman Road, Windmill Road, Jonah Road North) provide access to the site and traverse the site. The remainder (and majority) of the site is unpaved and generally vegetated with sagebrush. Ephemeral washes and intermittent streams are located on-site. A large playa is located in Section 32, T29N, R108W; Company personnel indicated

that the playa is generally dry. Table 3.1 provides an overview of physical setting and utility information for the site.

Table 3.1: Physical Setting and Utility Information		
Conditions	Source	Description
Topography		
Elevation (above mean sea level)	USGS topographic map (Stud Horse Butte, Wyoming, 1969); Final EIS report	Ranges from 7,000 to 7,400 feet
Topographic Gradient	USGS topographic map; Visual observations; Final EIS report	Gently rolling hills interspersed with buttes. Regional topography varies.
Hydrology		
Surface Water Runoff	Visual observations	Percolates into the ground surface at unpaved areas.
Nearest Surface Water Body	USGS topographic map; Visual observations	Sand Draw and other intermittent and ephemeral streams are located on-site. A large playa is located in Section 32, T29N, R108W.
Flood Plain	FEMA*; Company personnel	Flood plain information not available in the EDR report. Company personnel reported no known occurrences of flooding at the site.
Wetlands	NWI*	No on-site federally designated wetlands. The nearest wetlands are located approximately one-quarter mile west of the Updip Area.
Geology and Hydrogeology		
Presumed Direction of Shallow Groundwater Flow	USGS topographic map	Based on the variable topographic gradients, groundwater flow direction is variable.
Depth to Groundwater	2010 Annual Groundwater Monitoring Report	Groundwater was encountered at between 100 and 320 feet below ground surface (bgs) during the 2010 groundwater monitoring event.
On-site Wells	Company personnel; Visual observations; Site Plans (Appendix B)	Eight groundwater wells are used for non-potable purposes and are located on Sections 32-34, T29N, R108W. These wells range in total depth from 700 to 1,100 feet bgs. Numerous natural gas wells are located on-site (Appendix B).
Nearest Groundwater Supply Wells	EDR database reports	No potable water wells are located on-site. Numerous (over 100) state-registered wells that may be used for water supply are located within one mile of the site boundaries.
Geologic Conditions	Water withdrawal permits	Drilling logs for some of the industrial water supply wells advanced in Sections 32 to 34, T29N, R108W indicate the subsurface consists of clay, sandstone, and shale.

Table 3.1: Physical Setting and Utility Information		
Conditions	Source	Description
Site Utility Information		
Electricity Supplier	Company personnel	No electricity service; EnCana USA uses solar power for certain operations.
Natural Gas Supplier	Company personnel	EnCana USA uses natural gas generated on-site
Use of Fuel Oil for Building Heat	Company personnel	No known current or former use of fuel oil for building heat.
Water Supplier	Company personnel	No water service
Sanitary Sewer	Company personnel	Portable toilet only
Septic Systems	Company personnel	No current or former septic systems reported.
Notes: FEMA = Federal Emergency Management Agency; NCSS = National Cooperative Soil Survey; NWI = National Wetlands Inventory * Source was provided in the EDR database report.		

The facility is located in a rural land use area with isolated industrial development (e.g., natural gas wells and associated operations). The nearest residential area is the Company's Jonah Field Workforce Facility, located approximately two miles south of the Updip area of the site. Based on discussions with Company personnel, ENVIRON's visual observations from the property boundary and public rights-of-way, and a limited review of publicly available information, a general determination of the current use of adjacent properties was developed.² Surrounding properties are located within the JIDPA and include rural land and natural gas development and production facilities, the latter of which are operated by EnCana USA, BP America Production Company, and Ultra Resources.³

3.2 Historical Uses of the Site and Adjacent Properties

Based on ENVIRON's review of readily available historical sources of information (Table 3.2) and discussions with Company personnel, the site was undeveloped range land until it was developed as a gas field by McMurry Oil in the 1990s. EnCana USA acquired McMurry Oil in June 2000. In 2006, EnCana USA and other operators obtained approval from the BLM to commence infield drilling. Since 2006, EnCana USA has installed additional gas wells and CDPs at the site.

In the late 2000s, the Anadarko Compressor Station was constructed in SW1/4, sec. 34, T29N, R108W (on the surface above EnCana's mineral rights in Section 34, T29N, R108W). Company personnel indicated that Anadarko likely obtained a surface use agreement with the

² Observations were made by ENVIRON during the site visit. ENVIRON viewed these properties from a distance.

³ Adjacent operators based on information from Company personnel and the Sublette County GIS/Map Server.

BLM. ENVIRON viewed the compressor station from outside of a fenced area along Luman Road. This matter is further discussed in Section 3.8.

The properties in the vicinity of the site have primarily been used for grazing and hunting purposes, since as early as the 1960s. Since the 1990s, the surrounding properties have been developed for natural gas exploration and production. The Bridger Compressor Station, located approximately one-half mile south of Sections 33 and 34, T29N, R108 W, was constructed between 2007 and 2008 and is currently used to treat natural gas (all of EnCana USA's natural gas from the Jonah field is processed through the Bridger Compressor Station).

A discussion of potential soil and groundwater contamination concerns associated with historical uses of the site is presented in Section 3.8.

Table 3.2: Review of Historical Reference Sources			
Time Period	Reference	Description of Site	Description of Surrounding Properties
1950s	1954 aerial photograph	The site consists of undeveloped land.	The surrounding properties also appear undeveloped.
1960s	1969 topographic map	Unpaved road and intermittent streams are depicted on the subject property. A pond is depicted in the location of the current playa in Section 32, T29N, R108W.	The surrounding properties appear undeveloped, except for unpaved roads.
1970s	1977 aerial photograph	The site consists of undeveloped land.	The surrounding properties also appear undeveloped.
1980s	1983 aerial photograph	The site consists of undeveloped land. BLM Road 5409/Luman Road is apparent on Section 34, T29N, R108W.	The surrounding properties also appear undeveloped. BLM Road 5409/Luman Road is apparent to the north and south of the Updip area.
1990s	1994 aerial photograph	The site consists of undeveloped land.	No significant changes relative to the earlier sources.
2000s	2001 aerial photograph; 2003 aerial photograph*; 2004 aerial photograph*; 2009 aerial photograph*	Limited development of the gas field in the Downdip area is apparent on the 2001, 2003, and 2004 aerial photographs (e.g., cleared areas and reserve pits apparent). Further development of the gas fields in the Downdip area is apparent on the 2006 and 2009 aerial photographs. Further development of the gas field in the Updip area is apparent on the aerial photographs. The current storage area on Section 32, T29N, R108W is apparent on the 2009 aerial photograph. By 2009, a cleared area with some equipment is apparent in the current location of the Anadarko compressor station.	Additional development of the gas field at surrounding properties is apparent on the aerial photographs. The Bridger Compressor Station is apparent to the south of the Updip area on the 2009 aerial photograph.

Table 3.2: Review of Historical Reference Sources

Time Period	Reference	Description of Site	Description of Surrounding Properties
<p>Notes: Site addresses were not available for the site or surrounding properties; ENVIRON requested city directory listings from EDR (based on road names). EDR reported that city directory abstracts and Sanborn fire insurance coverage are not available for the site. The 1983 aerial photograph does not provide coverage in the southern portion of the Updip area or to the south of the Updip area. The 1994 aerial photograph does not provide coverage of the Updip area. * Aerial photographs were viewed at Google Earth or Sublette County GIS/Map Viewer. Printed copies were not obtained.</p>			

3.3 Current Use of Site

EnCana USA operates a natural gas E&P facility at the site. Approximately 80 EnCana USA employees and 80 contracted individuals work at the developed portions of the site (i.e., CDPs, well heads) as necessary (e.g., several times per day for maintenance checks, daily during drilling operations). Based on operations conducted and information provided by the facility, the facility’s Standard Industrial Classification (SIC) code is 1311, *Crude Petroleum and Natural Gas*, and the corresponding North American Industry Classification System (NAICS) code is 211111, *Crude Petroleum and Natural Gas Extraction*. Operations at the site are conducted 24 hours per day, 7 days per week. The major operations conducted at the facility consist of drilling, completing, and equipping wells (EnCana USA subcontracts these activities to Shlumberger and BJ Completions); natural gas production; operation of field gathering lines (conducted by EnCana USA and Jonah Gas Gathering Company [JGGC]); and ancillary activities, as described in more detail below.

- *Drilling, Completing, and Equipping Wells* – EnCana USA submits to the BLM an Application for Permit to Drill (APD) for each proposed well prior to any surface disturbance. EnCana USA contracts third parties (e.g., Shlumberger, BJ Completions) for natural gas exploration activities. The well pad area is cleared of vegetation and topsoil is stockpiled for future use in reclamation. Gravel aggregate material for roadways and well locations is supplied by a facility in Big Piney, Wyoming. According to Company personnel, drilling operations primarily use a water-based mud system and the contractor brings various materials on-site, including hydraulic fracturing (“fracking”) materials, for drilling activities. Fresh water from on-site and off-site industrial groundwater supply wells is used to drill the well from the surface hole to approximately 3,500 feet, after which treated/recycled produced water from EnCana USA’s off-site wastewater treatment facility is used. Wells are drilled using a closed-loop drilling system (i.e., no reserve pits). Drilling muds are transferred to an off-site Company-operated land farm or stored in a container for use in reclaiming the pad area after completion of drilling activities. Completion operations include conducting pressure testing and perforating potentially productive zones. Fracture stimulation (fracking) is conducted using various materials that are pumped downhole under pressure. According to Company personnel, proprietary materials, quantities, and storage practices used by its contractors are not available;

however, fracking completion additives include those listed in Table 3.3. According to Company personnel, EnCana USA prohibited the use of diesel-containing fracking mixtures by its subcontractors in 2002. As the formation is fractured, the spaces are filled with sand to “prop open” the fractures and facilitate gas flow to the well head. Following completion, the fracture fluid and excess sand are recovered from the well head during development, after which production equipment is installed.

EnCana USA reclaims disturbed areas of the well pad that would not be required for production activities in accordance with BLM reclamation requirements and the JIDP Reclamation Plan included in the Final EIS report. Reclamation operations include re-use of topsoil and vegetation, backfilling and grading, and seeding with a seed mixture.

Table 3.3: Well Completion Additives		
Product Name	Product Use	Chemicals
BJ Completions		
GW3-LDF	Gellant	Guar gum, petroleum distillate blend (proprietary)
XLW-30AG	Crosslinker	Hydrotreated light distillate
FRW-14	Friction reducer	Polyacrylamide in hydrocarbon solvent/water
NE940	Non-emulsifier	Polyglycols in alcohol (methanol*; 2-ethylhexanol, isopropanol; heavy aromatic naphtha; polyethylene glycol; EO-C7-9-iso-, C8 rich-alcohols; EO-C9-11-iso-, C10-rich alcohols; naphthalene*)
GBW-23L	Breaker	White mineral oil; magnesium hydroxide; magnesium peroxide; magnesium oxide
HP CRB-LT	Breaker	Ammonium Persulphate and crystalline silica
Sodium hydroxide	Buffer	Sodium hydroxide (NaOH)
XLW-32	Crosslinker	Boric oxide in methanol*
Claytreat-3C	Clay control	Tetramethyl ammonium chloride
Alpha452	Biocide	Phosphonium, tetrakis, sulfate
HP CRB	Breaker	Ammonium persulphate and silica
GBW-5	Breaker	Ammonium persulphate, crystalline silica quartz
Magnacide 575	Microbiocide	Tetrakis phosphonium sulfate
Sand	--	Silica
Schlumberger		
B306	Gellant/Polymer slurry	Guar gum, Hydrocarbon solvent (proprietary)
W054	Non-emulsifying Agent	Methanol*, oxyalkylated alcohol, oxyalkylated alkyl alcohol, etc.

Product Name	Product Use	Chemicals
J475	Breaker	Diammonium peroxodisulphate
M298L	Industrial Antimicrobial	Tetrakis phosphonium sulfate
J511	Stabilizer	Aliphatic polyol
J218	Breaker	Diammonium peroxodisulphate
L64	Clay stabilizer	Tetramethylammonium chloride
J318	Breaker	2,2,2-nitrioltriethanol
B400	Friction Reducer	Aromatic solvents, ammonium chloride*
M007	Buffer	NaOH
L010	Crosslinker	Boric Acid
Sand	N/A	Silica
Notes:		
Chemicals in products are based on material safety data sheet (MSDS) information.		
* Denotes CERCLA Hazardous Substance		

- Natural Gas Production** – Following well completion and installation of production equipment, wells are placed online. Approximately 8 to 20 natural gas wells/well heads are associated with each CDP, which consists of one or more dehydration units, a methanol tank and pump, a glycol dehydrator and pump, produced water tank(s), condensate tank(s), and a flare. Underground production lines transfer natural gas from the well heads to the dehydration unit where the natural gas, produced water, and condensate are separated and conveyed via underground piping to tanks (condensate and produced water) or to a natural gas sales meter point operated by EnCana USA. JGGC operates metering equipment (near each CDP) and underground natural gas pipelines; the point of transfer of natural gas ownership is at the JGGC meter. The condensate, produced water, and methane tanks are located within secondary containment (either a plastic-lined earthen berm or a lined metal berm). Venting from the lines and tanks is routed to a flare. Condensate is collected by a third-party hauler for off-site sale. Produced water transported to EnCana USA's wastewater treatment facility located in Section 36, T29N, R108W (off-site).
- Field Gathering Lines** – Underground field gathering lines are present on-site, including natural gas lines and natural gas lines operated by EnCana USA natural gas lines (sales) operated by JGGC. The sales natural gas lines operated by JGGC are routed to the Bridger Compressor Station (off-site) for initial purification.
- Ancillary Operations** – The facility performs shipping/receiving and storage of production equipment (e.g., large empty tanks, well houses, dehydration units) and maintains a bulk methanol tank facility in Section 32, T29N, R108W (a surface lease). Other ancillary operations conducted at the facility include general equipment maintenance and road

maintenance. The Company uses numerous pick-up trucks and SUVs to access the various portions of the larger Jonah field; vehicles are fueled, serviced, and washed off-site. None of the areas of the site are cooled. Some industrial water supply ASTs are heated with natural gas.

The primary raw materials used at the site include industrial water (obtained from on-site industrial groundwater wells and recycled produced water), fracking materials, and natural gas (from EnCana USA's gas production).

According to Company personnel, EnCana USA's operations have remained generally consistent during its period of occupancy at the facility, except for the following: 1) as of 2002, EnCana USA has prohibited its drilling contractors from using diesel fuel for fracturing; 2) drilling and development activities increased in 2006 after issuance of the ROD; and 3) the facility ceased use of lined reserve pits (for disposal of E&P exempt waste such as drilling muds) in mid-2010.

According to Company personnel, no chlorinated solvents are currently used at the facility. However, a hazardous waste manifest indicates that the Company generated 60 gallons of "chlorinated coolant" in 2010. Company personnel were unable to verify whether the chlorinated coolant was generated on the subject site or on off-site areas of JIDPA operated by EnCana USA. Company personnel were not aware of any historical use of chlorinated solvents at the site. However, EnCana USA has only occupied the site since 2000 and chemical use prior to that time is unknown.

3.4 User-Provided Information

ENVIRON provided NW Natural with a User Questionnaire (consistent with Appendix X3 of the ASTM Standard) that requested information relating to environmental liens, AULs, specialized knowledge of the property, property value diminution, chain-of-title, or any other commonly known or obvious indications of site contamination, that was not otherwise provided to ENVIRON. Based on the User Questionnaire completed by NW Natural and provided to ENVIRON for review, NW Natural is not aware of any environmental cleanup liens against the property or any activity and land use limitations at the property. NW Natural does not possess any specialized knowledge or experience related to the property or nearby properties. Further, NW Natural believes the transaction's consideration for acquiring interests in the federal oil and gas leases and wells that comprise the property is fair market value.

According to information provided by Stoel Rives, NW Natural obtained an updated title opinion and confirmed there are no recorded environmental liens or environmental activity and use limitations against the site.

The ASTM Standard calls for the User to provide individual tract maps for the subject property (if requested by the Environmental Professional [i.e. ENVIRON]) that would provide vegetation and timber stand information, internal roads, hunt camps, and other information. Since the site is not forestland, such timber tract maps are not relevant for this assignment, and therefore ENVIRON did not request such information.

3.5 Database Review for the Site and Surrounding Properties

ENVIRON reviewed the results of the state and federal environmental database searches performed by EDR (see Appendix B). The site was not listed on any of the environmental databases searched. No off-site facilities within applicable ASTM search radii, which were expanded by up to two miles due to the large size of the site, are listed on the environmental databases searched.

The EDR report indicates that poor or inadequate address information was available for several sites located in the vicinity of the property; therefore, these sites could not be readily mapped by EDR. Because the location of these sites with respect to the property could not be evaluated, ENVIRON is limited in its ability to express an opinion regarding the potential for impact to the property from these sites. It was beyond the scope of this review to accurately locate each of the unmapped sites identified by EDR; however, ENVIRON reviewed the list of unmapped sites and verified that none appeared to be adjacent to the subject site.

3.6 Materials Storage

3.6.1 Underground Storage Tanks

According to Company personnel, there are no current or former underground storage tanks (USTs) at the site, nor was evidence of such (e.g., vent pipes, fill ports, or dispensing equipment) observed by ENVIRON during the site visit or in the review of records pertaining to the site. According to the EDR report, the site is not listed on the UST database.

Although not considered to be USTs, the site maintains numerous reclaimed reserve pits associated with the Company's operations prior to mid-2010, which are below-ground pits associated with waste management during gas well development. During the site visit, ENVIRON observed some of the vegetative cover growing above the snowline, but was otherwise unable to observe the vegetative cover over the reclaimed pits.

3.6.2 Aboveground Storage Tanks

Although a comprehensive list of all ASTs maintained on-site was not available from Company personnel, EnCana USA indicated that numerous ASTs are maintained at the site for the storage of condensate, produced water, and methanol and are generally located at each CDP, many of which ENVIRON observed during the site visit. Condensate and produced water are stored in 210 to 400-barrel tanks. In addition, 28 to 45-barrel double-walled, partially-buried knock-out tanks (for condensable hydrocarbons) and 500-gallon methanol tanks are also generally located at CDPs. A methanol tank farm (eight 300-barrel ASTs) is located on Section 32, T29N, R108W. Smaller tanks (approx. 200 to 300 gallons each) are used to store other materials (e.g., methanol and glycol). The tanks are equipped with secondary containment.

The facility also maintains several industrial water supply tanks associated with some of EnCana USA's non-potable water wells. The industrial water supply tanks are heated with natural gas fired heaters to prevent liquids from freezing during the winter.

Company personnel were not aware of any leaks or spills relating to the ASTs; however, numerous spills which the Company indicates have been remediated have occurred at EnCana

USA's operations in the JIDPA and Company personnel were unable to confirm which spills were on-site or off-site (see Section 3.8). While the majority of the site was covered with snow, where the ground was visible near ASTs, ENVIRON did not observe evidence of staining or past releases at the time of the site visit.

3.6.3 Drum and Other Storage Areas

ENVIRON did not observe drums or other storage containers at the site. However, Company personnel indicated that drums of methanol and antifreeze may occasionally be maintained at the site.

3.7 Polychlorinated Biphenyls

Company personnel were not aware of any equipment on-site containing polychlorinated biphenyls (PCBs). Given that no electrical service is provided to the site and that the facility was constructed in the 2000s, after the 1979 federal ban on the manufacture of PCBs, it is unlikely that any PCB-containing equipment is present

3.8 Findings and Opinions

ENVIRON conducted a Phase I ESA of the facility located in portions of the Jonah Natural Gas Field in Sublette County, Wyoming. The objective of the ESA was to identify RECs, which the ASTM Standard defines as follows:

The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

Information on conditions at the site, as well as ENVIRON's findings and opinions, are presented in Sections 3.8.1 to 3.8.3 below.

3.8.1 Prior Environmental Activities

Based on a review of historical site documents and interviews with Company personnel, annual groundwater monitoring is conducted at the site, as described below. The Company has conducted industrial hygiene evaluations at the Jonah Natural Gas Field for Naturally Occurring Radioactive Material (NORM). In addition, the Company reports numerous spills, which have reportedly been remediated, and which are discussed below.

- **Annual Groundwater Monitoring.** In accordance with the ROD, EnCana USA is required to conduct annual groundwater monitoring of wells in or affected by operations in the JIDPA. Based on a review of the 2008, 2009, and 2010 annual groundwater reports,

EnCana USA maintains several industrial supply wells within the Updip area (and off-site within the larger Jonah field). Industrial wells are sampled for pH (field analysis), conductivity (field analysis), total dissolved solids (TDS), inorganics (total alkalinity, bicarbonate, carbonate, chloride, barium, calcium, iron, magnesium, potassium, and sodium), benzene, toluene, ethylbenzene and total xylenes (BTEX), total petroleum hydrocarbons (TPH)-diesel range organics (DRO) and TPH gasoline range organics (GRO). BTEX and TPH GRO were not detected above laboratory reporting limits in 2010 groundwater samples collected from on-site wells; TPH DRO was detected in two on-site wells at 1.2 and 0.41 milligrams per liter (mg/l). The WDEQ Voluntary Remediation Program (VRP) Groundwater Cleanup Level for TPH DRO is 1.1 mg/l when naphthalene and/or methylnaphthalenes are detected in groundwater at measureable concentrations and 10 mg/l when naphthalene and/or methylnaphthalenes are below maximum contaminant levels along with other chemicals of concern and no free product is present. BTEX and TPH GRO were detected below WDEQ VRP Groundwater Cleanup Levels at off-site wells during the 2010 sampling event; TPH DRO was not detected. The groundwater monitoring results reviewed by ENVIRON do not suggest significant petroleum hydrocarbon impacts to groundwater.

- **NORM Evaluation.** According to *Industrial Hygiene Monitoring for EnCana In the Jonah Field*, prepared by ENSR Corporation and dated February 2008 (the "IH Monitoring report"), industrial hygiene monitoring was conducted in the Jonah Natural Gas Field in 2008. Direct-reading measurements using a Bricron MicroRem Meter were collected to measure gamma and X-ray radiation near various "used" equipment such as produced water ASTs, piping, well heads and manifolds and the off-site land farm. According to the IH Monitoring report, all gamma radiation measurements were at background levels of 5 to 15 microrems per hour and no indication of NORM was identified at areas tested. In 2010, EnCana USA conducted a NORM survey of out-of-service ASTs. Activity from a surrogate isotope, Po-210, was measured as an indicator of NORM. There was no difference in the activity measured at tank surfaces compared to soil in adjacent areas (used as a background level). These industrial hygiene evaluations do not identify the presence of NORM in tested materials.
- **Cleanup of Spills at JIDPA.** EnCana USA has reported numerous spills within the JIDPA (collectively identified without differentiation between those located on-site or off-site), but the Company was unable to specify locations of spills/releases. Spilled materials include produced water, condensate, fracking fluid, water-based drilling mud, and hydraulic oil. It is unknown whether the fracking fluid spills included those containing CERCLA hazardous substances. According to Company personnel, these spills have been remediated. Spills are generally cleaned up using a vacuum truck and the recoverable free oil is transferred into condensate tanks. Petroleum-impacted soil is collected for off-site aeration at an off-site land treatment facility operated by EnCana USA in Section 36, T29N, R108W. This land treatment facility is permitted by the WOGCC to only receive EnCana USA's impacted soil. Aerated soil is analyzed for TPH and other chemicals prior to reuse on-site or at other areas in Jonah field that are operated by EnCana USA (see Section 4.2). These reported spills are further discussed in Section 3.8.3.

ENVIRON's analysis of the relevance of the above operations are described in more detail in Sections 3.8.2 and 3.8.3.

3.8.2 Known Site Conditions

Company personnel were not aware of any soil or groundwater contamination at the site. According to the EDR report and as detailed in Section 3.4, the facility is not listed with active status on environmental databases that are indicative of a contamination concern. The site is currently not the subject of regulatory scrutiny or enforcement actions related to soil or groundwater conditions. NW Natural has provided no knowledge or other information indicating adverse conditions. Based on the factors noted, there is no known contamination present at the site and little impetus to trigger regulatory scrutiny.

3.8.3 Potential Site Conditions

ENVIRON did not observe visual evidence of significant contamination (e.g., extensive staining on unpaved areas, spills or releases, or stressed vegetation); however, snow was present over the majority of the site. ENVIRON observed the facility to have adequate housekeeping and chemical storage practices, and ENVIRON did not observe any current or former features or structures of potential environmental concern at the site (e.g., evidence of current or former USTs, dry wells, septic systems). EnCana USA generated a small quantity of chlorinated coolant that Company personnel were unable to identify as having been generated at the subject site or on off-site areas of JIDPA operated by EnCana USA. Company personnel were not aware of any other current or former use of chlorinated solvents.

Based on current information and conditions at the facility, ENVIRON considers the likelihood of significant undiscovered soil or groundwater contamination to be low. Nevertheless, a few issues of potential environmental concern were identified.

- **E&P Wells and CDPs.** Numerous gas wells are present on the subject property and surrounding areas; those located on-site are operated by EnCana USA. Based on ENVIRON's observations of a subset of the on-site gas wells and CDPs (not all wells and CDPs were observed due to the large size of the site and the remote locations of the wells), EnCana USA maintains ASTs and underground natural gas and water pipelines associated with its operations. Company personnel indicated that past spills or releases have been associated with the operation of the Company's wells in the JIDPA (both on-site and off-site areas), but were unable to specify locations of spills/releases. According to Company personnel, spills are cleaned up by recovering the spilled liquid material and transferring it to condensate tanks and managing impacted soil either at the Company's off-site land farm or a commercial E&P waste disposal facility authorized by the WDEQ to receive E&P exempt waste. In addition, although ENVIRON only observed a subset of the gas wells and CDPs located on-site (due to the large size of the site) and did not make detailed observations of the identified gas wells (due to health/safety considerations and access limitations), ENVIRON did not observe any evidence of staining or past releases in the vicinity of the wells. Further, the on-site well locations and other facilities in the site vicinity do not appear to be listed on any environmental databases indicative of

contamination concern. Based on the information reviewed, ENVIRON considers EnCana USA's wells and CDPs located on-site to represent a *de minimis* condition.

- **Reclaimed (Lined) Reserve Pits.** Numerous reclaimed (lined) reserve pits are located on-site. In accordance with the Final EIS and ROD, the reserve pits are reclaimed by EnCana USA following well completion activities (e.g., removal and off-site disposal of any visibly oil-contaminated material, mixing of materials in the reserve pit, folding the liner over the pit to cover, capping of the liner-covered reserve pit with soil, seeding to grow vegetative cover). Based on ENVIRON's observations of a subset of the reclaimed reserve pits (not all pits were observed due to the large size of the site and the remote locations of the reclaimed reserve pits), vegetation (grasses) was apparent growing through and above the snow cover. However, due to the presence of at least one foot of snow across the site, ENVIRON was unable to observe the soil near the reclaimed reserve pits for evidence of significant staining or past releases. Although this matter is not considered a REC, ENVIRON was not able to visually observe the soil and remainder of the vegetative cover over the reclaimed reserve pits and, therefore could not determine whether there were any tears or breaks in the reserve pit liners that could provide a pathway of migration for the contents of the reserve pit to reach the native subsurface.
- **Anadarko Compressor Station.** ENVIRON observed a compressor station on SW1/4, sec. 34, T29N, R108W (on the surface above EnCana USA's mineral rights in Section 34, T29N, R108W). The compressor station was constructed in the late 2000s. Company personnel indicated that none of EnCana USA's natural gas goes to the Anadarko Compressor Station. Company personnel were not familiar with operations at the compressor station. ENVIRON viewed the compressor station from outside of a fenced area along Luman Road and did not observe evidence of staining or past releases in the area near Luman Road (the adjacent public right-of-way). In addition, the Anadarko Compressor Station does not appear to be listed on any environmental databases indicative of contamination concern. Based on the information reviewed, ENVIRON considers this matter to represent a *de minimis* condition.

3.9 Analysis of Data Gaps and Deviations

The Phase I ESA component of this review was conducted in accordance with the methodology specified in ASTM Standard E2247-08, as agreed upon by ENVIRON and Stoel Rives, LLP in January 2011. The standard ASTM scope was expanded to include a limited review of regulatory compliance and off-site waste management facilities. Issues considered outside the scope of the ASTM Standard and this review include a vapor intrusion assessment, radon, lead-based paint, lead in drinking water, wetlands, PCBs in building materials, cultural and historic resources, ecological resources, endangered species, high voltage power lines, and asbestos-containing materials.

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental

professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps.

Site reconnaissance limitations, deviations from or exceptions to the ASTM Standard and data gaps are discussed below.

- Due to confidentiality considerations, interviews with prior site owners, occupants, and former Company personnel were not conducted. However, ENVIRON conducted interviews with representatives of EnCana USA dating back to 2002 and reviewed other historical sources regarding former uses of the property. Therefore, it is unlikely that prior site owners, occupants or former Company personnel would have provided information that was not duplicative of information already obtained from other sources.
- Due to the time constraints associated with completing this review and confidentiality considerations, ENVIRON did not request public records from local or state regulatory officials concerning conditions at the site, except as noted below. It is unlikely that specific requests for public records would have yielded information that was not duplicative of the information obtained from the environmental record sources that were reviewed. As identified in Section 1.2, those sources included, among others, records of local and state agencies.
- ENVIRON attempted to contact Tom Kropatch of the WOGCC regarding the presence or absence of contamination at the site. A response had not been received at the time this report was completed.
- During the site visit, due to the large size of the site and absence of roads, ENVIRON was unable to make observations regarding certain portions of the site and adjacent properties. According to Company personnel, portions of the site not accessed by ENVIRON and neighboring properties consist of undeveloped land and gas wells. As permitted under the ASTM Standard and agreed upon by the Client and ENVIRON, an alternate method employed by ENVIRON to conduct the site visit included the review of current and historical aerial imagery for inaccessible areas of the site, in combination with on-site observations (to the extent possible given the limitations noted below) of gas wells and related equipment, and other areas of cleared/disturbed soils, as required by the ASTM Standard.
- Due to the weather and seasonal conditions at the time of the site visit, the majority of the site was covered in snow. Thus, ENVIRON was not able to assess the site surfaces for the potential presence of stained soil or stressed vegetation. Based on information provided by Company personnel, any stained soil or stressed vegetation would be expected to be localized in nature.
- Due to the large size of the site and the remote locations of the oil/gas wells located at the site, ENVIRON observed a subset of the on-site gas wells and CDPs. In addition, ENVIRON did not make detailed observations of the identified gas wells due to health/safety considerations and access limitations.

None of the exceptions, deviations, or site reconnaissance limitations noted above are considered to represent significant data gaps.

4 Environmental Compliance and Other Matters

4.1 Environmental Compliance Review

EnCana USA holds environmental permits or approvals for air emissions, construction storm water discharges, and water withdrawal, and is registered as a generator of hazardous waste. The site also submits chemical inventory reports to federal and state agencies and maintains a number of environmental plans and procedures. As noted in Section 3.4, the Company is not listed on any environmental databases related to regulatory compliance matters.

A summary of ENVIRON's review of environmental compliance matters at the facility is presented in Table 4.1 at the end of this section. This table also summarizes ENVIRON's limited review of occupational health and safety matters, which included a search of the OSHA Establishment Search database and discussions with Company personnel regarding any recent OSHA inspections and enforcement actions. A review of the facility's compliance with OSHA programs was not included in ENVIRON's scope of work.

4.2 Off-site Land Farming and Wastewater Treatment

Based on discussions with Company personnel, EnCana USA's oil-impacted soil is aerated off-site at an EnCana USA bioremediation cell and EnCana USA's produced water is treated at the off-site wastewater treatment facility. Both of these facilities are located in Section 36, T29N, R108. While these two off-site facilities were not the subject of ENVIRON's review, general inquiries regarding the operations and associated environmental compliance status of these facilities were made with Company personnel.

According to Company personnel, the land farm is permitted by the WOGCC to only receive petroleum hydrocarbon-impacted soil (500 to 20,000 mg/kg TPH) generated during EnCana USA's operations. The land farm operates under a Sundry Notice approval from the WOGCC dated April 6, 2007 and is subject to conditions of the Sundry Notice. Petroleum hydrocarbon-impacted soil is aerated using heavy equipment. A representative soil sample is collected prior to moving any waste out of the land farm. The soil sample is generally analyzed for TPH, pH, calcium, magnesium, sodium, and sodium adsorption ratio (SAR). The treatment goals are 1,000 mg/kg (TPH) and 12 or less (SAR), which EnCana USA meets prior to shipment. The Company logs receipt and shipment of soil from the land farm, as required. EnCana USA submits Sundry Notices and the soil sample analytical report to the BLM for approval of requests to remove remediated soil and re-use on-site (or off-site areas operated by EnCana USA within the Jonah Natural Gas Field) for beneficial use. The Company also submits annual reports to the WOGCC, as required. According to Company personnel, no NOVs have been issued by regulatory authorities regarding operations at the land farm.

ENVIRON has requested, but not yet received permitting framework documentation from EnCana USA regarding operation of the wastewater treatment facility (i.e., a Sundry Notice from the WOGCC). The Company only manages produced water from EnCana USA operations in the Jonah Natural Gas Field at the wastewater treatment facility. Produced water is gravity fed into tanks. Oil and sediment is settled out and the water flows through a dissolved air flotation (DAF) to clarify the water. The treated water is re-used in EnCana USA's drilling operations or is disposed in (off-site) injection wells (approximately 5,500 feet bgs), for which EnCana USA

has obtained approval from the WOGCC for the disposal of water produced in association with the recovery of hydrocarbons in wells operated by the Company in the Jonah Natural Gas Field. According to Company personnel, no NOV's have been issued by regulatory authorities regarding operations at the wastewater disposal facility.

4.3 Off-site Waste Disposal Assessment

Based on ENVIRON's review of the CERCLA-PRP database, a review of Company records (includes the site and the larger Jonah field), and discussions with Company personnel, EnCana USA has not been identified as a Potentially Responsible Party (PRP) at off-site waste disposal sites.

Based on discussions with Company personnel regarding current and former waste disposal facilities and a review of waste disposal manifests, ENVIRON identified several off-site waste management facilities that have received EnCana USA's wastes, as noted in Table 4.2.

Table 4.2: Summary of Known Off-site Disposal Facilities			
Off-site Waste Management Facility	Waste Disposed at Facility	CERCLIS Database Listings	
		Active	Archived*
US Ecology Idaho, Inc. Grand View, ID IDD073114654	Lead acid batteries, soil contaminated with batteries, chlorinated coolant, waste ammonium persulfate	No Listing Found	DS – 11/1979 PA – 9/1984 Non-NPL PRP Search – 2/1985 RCRA SB/RTC – 11/1988 SI – 12/1988 DR – 12/1988
Emerald Services Inc. Tacoma, WA WAD0981769110	Waste isopropanol, spent antifreeze, hazardous waste solid (benzene) – from condensate pad, waste adhesive, waste flammable liquids, oil-contaminated absorbent materials	No Listing Found	No Listing Found
Calpet – LaBarge Sublette County, WY	Produced water (an E&P exempt waste)	No Listing Found	No Listing Found
Anticline Disposal Sublette County, Wyoming	Produced water (an E&P exempt waste)	No Listing Found	No Listing Found
Pacific Steel Rock Springs, WY	Scrap metal	No Listing Found	DS – 6/1986 PA – 12/1987 and 10/1988 NFRAP – 10/1998

Table 4.2: Summary of Known Off-site Disposal Facilities			
Off-site Waste Management Facility	Waste Disposed at Facility	CERCLIS Database Listings	
		Active	Archived*
Triple Seven Construction Rock Springs, WY	Concrete	No Listing Found	No Listing Found
Sweetwater County Landfill Rock Springs, WY	General facility trash, contaminated soil	No Listing Found	No Listing Found
Big Piney/Mableton Landfill 10 County Road 215 Big Piney, WY	General facility trash	No Listing Found	No Listing Found

Key: DR = Deferred to Resource Conservation and Recovery Act (RCRA); DS = Site Discovery; PA = Preliminary Assessment; NFRAP = No further remedial action planned; Non-NPL PRP Search = Non-NPL Potentially Responsible Party Search; PA = Preliminary Assessment; RCRA = Resource Conservation and Recovery Act; SI = Site Inspection; SB/RTC = Statement of Basis/Response to Comments

* According to the USEPA website, the Archive designation indicates the sites at which the USEPA has no further interest under the Federal Superfund Program based on available information. The USEPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available.

ENVIRON searched for the above-listed facilities on the USEPA's CERCLIS database. One site (Pacific Steel in Rock Springs, Wyoming) is listed on the archived CERCLIS database with NFRAP status and one site (US Ecology Idaho Inc. in Grand View, Idaho) is listed on the archived CERCLIS database with Deferred to RCRA status. Sites with NFRAP and Deferred to RCRA status are considered unlikely to represent a significant concern to the Company because remediation is generally conducted by the state environmental agency and/or responsible parties have already been identified, or no further action is required. None of the facilities searched were identified as being active CERCLIS sites.

If any current or former off-site waste management facilities used by EnCana USA should become a state or federal Superfund site, subject to other federal or state enforcement proceedings, or the subject of third party lawsuits, EnCana USA could be responsible for a portion of the potential investigation or remediation costs. The magnitude of such costs would depend on such factors as the volume and nature of the waste disposed at the site(s) and the ultimate result of any investigations or remedial actions conducted.

Table 4.1: Summary of Regulatory Compliance Matters

Compliance Area	Description	ENVIRON's Conclusions
Air Emissions	<p>Air emissions at the facility consist primarily of volatile organic compounds (VOCs), hazardous air pollutants (HAPs), nitrogen oxide (NO_x), and carbon monoxide (CO) emissions from E&P operations. EnCana USA maintains several natural gas fired drill rigs (with diesel engines for cold start-up). Each CDP is equipped with a flare to control VOC and HAP emissions from dehydration units, pneumatic pumps, and condensate and produced water tanks.</p> <p>EnCana USA maintains a permit issued by the WDEQ for the Drill Rig Fleet located in the Jonah and Pinedale Anticline Development Area (JPADA). The permit limits emissions from the drill rig fleet to 282 tons per year (tpy) NO_x and has additional drill rig engine emissions limits. The permit contains a number of operational and recordkeeping requirements related to drill rig operation and removal notifications to the WDEQ and engine testing.</p> <p>EnCana USA also maintains a permit issued by the WDEQ for well completion activities in the JPADA. The permit contains a number of operational and recordkeeping requirements related to monitoring the hydrocarbon composition of gas recovered during completion activities, recording hydrocarbon liquids and natural gas recovered from the well bore, summarizing air emissions for each well completion, and submitting notifications to the WDEQ for each well completion activity.</p> <p>According to Company personnel and based on a cursory review of permits issued by the WDEQ and a summary of EnCana USA's larger operations in the JIDPA, EnCana USA maintains permits issued by the WDEQ for each CDP location. Each permit contains a number of operational and recordkeeping requirements that generally include the following: 1) operation of a combustion device to reduce HAPs and VOCs by at least 98%; 2) operation of condensers and glycol flash separators (associated with the dehydration units) such that condensed reboiler still vent liquids are routed to a liquids storage tank and vapors are routed to the combustion device; 3) monitoring of the combustion device pilot flame; 4) notification to the WDEQ of additional equipment or emissions when an additional well is added to the production unit (CDP); 5) at least quarterly evaluations of the operation of the air pollution control equipment; and 6) recordkeeping. Each permit establishes CDP-wide emissions limits: emissions not to exceed 100 tpy or more of any regulated air pollutant, 10 tpy of any individual HAP or 25 tpy of any combination of HAPs.</p>	<p>Although an exhaustive review of EnCana USA's compliance with each of its permits was beyond ENVIRON's scope of work, according to Company personnel and based on a cursory review of 2009 annual emissions, the Company appears to be in substantive compliance with its permit requirements.</p> <p>The Company entered into a Settlement Agreement in 2010 for two NOV's issued at the subject site in 2009 and five NOV's and 12 additional alleged violations at off-site areas operated by EnCana USA. The civil penalty has been paid; however, the SEP has not yet been completed. The remainder of the SEP Expenditure Amount is \$13,100 and the Company plans to pay this balance by February 28, 2011.</p>

Table 4.1: Summary of Regulatory Compliance Matters		
Compliance Area	Description	ENVIRON's Conclusions
	<p>The Company recently prepared a voluntary Enhanced Directed Inspection & Maintenance (EDI&M) Program to conduct monthly evaluations/observations for leaks at each CDP using a FLIR camera (thermal imaging). EnCana USA plans to amend each of its permits to include the EDI&M Program by mid-2011 and anticipates approximately \$100 per permit for an administrative amendment fee.</p> <p>Following WDEQ inspections in 2007 and 2008, EnCana USA received several NOVs for failure to comply with permit conditions for the control of vapor emissions from condensate tanks and dehydration units at various permitted CDP sites (e.g., observation of an unlatched hatch on a condensate tank and venting of vapors, observation of venting vapors from dehydration units and open valves). Based on information in the ECHO database, penalties for each NOV ranged between \$10,000 and \$35,000. The Company entered into Settlement Agreements with the WDEQ and agreed to paying a portion of each NOV penalty as a civil penalty and completion of Supplemental Environmental Projects (SEPs) that generally consisted of tying in single wells to multiple-well CDPs (for the balance of the penalty amount). Some Settlement Agreements included NOVs at off-site EnCana USA operations. The Company has completed all SEPs, except for one "global" SEP related to a Settlement Agreement involving two NOVs at the subject site (issued in 2009) and five NOVs and 12 additional alleged violations at off-site areas operated by EnCana USA. The NOVs for the subject site do not list any penalties and neither NOV is listed on the ECHO database. The civil penalty of \$49,000 was paid and EnCana USA agreed to a SEP consisting of a laboratory test at Colorado State University to evaluate a NO_x emission control technology for a natural gas fired engine. The SEP Expenditure Amount is at least \$231,000 and is to be completed by February 28, 2011). Company personnel indicated that the SEP has not yet been completed; however, the Company has paid a total of \$217,900 towards completion of the SEP and plans to pay the remaining \$13,100 prior to February 28, 2011.</p> <p>Title III of the Clean Air Act requires that a facility develop a Risk Management Program (RMP) if it stores one or more listed toxic or flammable substances in excess of substance-specific thresholds. Based on the information provided to ENVIRON by Company personnel, it does not appear that the facility is subject to RMP requirements.</p>	

Table 4.1: Summary of Regulatory Compliance Matters		
Compliance Area	Description	ENVIRON's Conclusions
	<p>According to the Envirofacts and ECHO databases, the site is listed in the AIRS database under numerous listings as sources of air emissions. No current violations are noted; however, some CDPs were historically subject to NOVs in 2007 and 2008 and the SEP for a global Settlement Agreement has yet been completed (see above).</p>	
Greenhouse Gas (GHG) Reporting	<p>The USEPA's GHG Reporting Rule (40 CFR Part 98) applies to owners and operators of facilities in certain source categories and/or that have GHG emissions that exceed certain GHG emission thresholds. Facilities are subject to the rule if they meet one of the following criteria:</p> <ol style="list-style-type: none"> 1. Site operations fall within one of the source categories specified in the rule. 2. Site operations fall within one of the following specified source categories <u>and</u> the site emits greater than 25,000 metric tons (mt) carbon dioxide equivalents (CO₂e) per year: ferroalloy production; glass production; hydrogen production; iron and steel production; lead production; pulp and paper manufacturing; and zinc production. 3. The site does not fall into the previous categories, has aggregate maximum rated heat input capacity of the stationary fuel combustion units at the facility of 30 mmBtu/hr or greater, and the site emits greater than 25,000 mt CO₂e per year from stationary fuel combustion. 4. The site is a supplier of GHGs or fossil fuels (e.g., coal based fuels, natural gas or natural gas liquids, petroleum products, industrial GHGs [fluorinated gases, nitrous oxides]; carbon dioxides). <p>The Company has determined that it will be subject to the GHG Reporting Rule under Subpart W – Petroleum and Natural Gas Systems because the site is a natural gas facility that emits greater than 25,000 mt CO₂e per year. The Company has begun to track its GHG emissions for its operations in the larger Jonah field. Subpart W-subject facilities are required to track GHG emissions beginning January 1, 2011 and report its annual GHG emissions reports to the USEPA by March 31, 2012 for calendar year 2011.</p>	No issues identified.
Process	Process wastewater generated by the facility includes produced water, which is collected in	No issues identified.

Table 4.1: Summary of Regulatory Compliance Matters		
Compliance Area	Description	ENVIRON's Conclusions
Wastewater Discharges	<p>ASTs at CDPs. Produced water is generally pumped into a third-party tanker truck and hauled to an off-site wastewater treatment plant operated by EnCana USA. The Company occasionally disposes of produced water at Anticline Disposal or Calpet-LaBarge, both of which are commercial disposal facilities permitted by the WDEQ to receive E&P exempt waste.</p> <p>Facilities within certain industrial categories that discharge to wastewater treatment plants or surface waters are subject to federal pretreatment standards outlined in 40 CFR §401 - 471; however, none of these standards appear to be applicable to EnCana USA's operations.</p>	
Storm Water Discharges	<p>Storm water at the site percolates into the ground surface at unpaved areas or runs off-site via sheet flow. Although the EnCana USA site appears to be subject to storm water permitting based on its SIC code (1311), EnCana is not required to submit a permit application unless it has: 1) had a discharge of storm water resulting in the discharge of a reportable quantity for which notification was required ("reportable quantity" is defined as any spill or release of any hazardous substance which enters, or threatens to enter, any water of the state), or 2) had a storm water discharge which contributes to a violation of a Wyoming water quality standard. As the site does not appear to meet either of these criteria, the facility would not be required to maintain coverage under the general industrial storm water permit (Wyoming Pollutant Discharge Elimination System [WYPDES] WYR00-0000).</p> <p>Due to construction activities at the site, EnCana USA submitted a Notice of Intent (NOI) for Jonah Field (various sections in T28-29N, R106-109W) for coverage under the large construction general and was issued permit number WYR103259 (effective November 11, 2006). The large construction general permit expires on March 15, 2011 and is currently under the WDEQ review. The Company maintains a Storm Water Pollution Prevention Plan (SWPPP) dated September 1, 2006 and conducts periodic inspections, as required. On February 18, 2010, the Company received approval from the WDEQ for an alternative inspection schedule – semi-annual inspections. Also, annual reports are submitted to the WDEQ. Based on ENVIRON's review, the site appears to be in substantial compliance with these requirements.</p>	No issues identified.

Table 4.1: Summary of Regulatory Compliance Matters		
Compliance Area	Description	ENVIRON's Conclusions
	According to Company personnel, EnCana USA has not been inspected or issued any violations related to storm water discharges. The facility is not listed in the EDR report or the Envirofacts and ECHO databases with respect to storm water issues.	
Hazardous Waste Management	<p>According to Company personnel, the facility does not routinely generate or manage hazard or universal waste, except for (illegally) disposed wastes (e.g., drums containing unidentified substances left by unidentified third-parties on the Company's surface lease in Section 34, T29N, R108W). Produced water and other wastes associated with E&P operations that are generated at the subject property are exempted from regulation as hazardous waste pursuant to 40 CFR 261.4(b)(5) and parallel state regulations.</p> <p>Because the facility occasionally generates between 100 and 1,000 kilograms per calendar month of non-acutely hazardous waste, EnCana USA is classified as a small quantity generator (SQG) of hazardous waste under the Resource Conservation and Recovery Act (RCRA), as amended. As an SQG, EnCana USA must comply with the following requirements under RCRA: 1) obtain a USEPA generator identification number (WYR000210021, which is for the subject site and the larger EnCana USA property at Jonah field); 2) determine if a waste is a declared, characteristic or listed hazardous waste or mixture; 3) accumulate not more than 6,000 kilograms of hazardous waste on site for not more than 180 days (270 days if the wastes are transported more than 200 miles for disposal); 4) prepare and use the Uniform Hazardous Waste Manifest for all hazardous waste shipments, maintaining copies for at least three years; 5) properly package, label, placard and store wastes; 6) establish programs such as preparedness and prevention, contingency plans and emergency procedures; 7) manage waste only at RCRA-permitted facilities; and 8) conduct basic personnel training. Based on ENVIRON's review and discussions with Company personnel, the facility appeared to be in substantial compliance with these requirements.</p> <p>Company personnel indicated that the Company's operations at the site have never been the subject of a federal or state inspection related to hazardous waste matters.</p> <p>"Jonah Federal 1-4 Well Site" (for the larger EnCana USA property in the Jonah field and includes the subject site) is listed in the Envirofacts and ECHO databases as a registered generator of hazardous waste. No violations were listed in any of the databases searched.</p>	No issues identified.

Table 4.1: Summary of Regulatory Compliance Matters

Compliance Area	Description	ENVIRON's Conclusions
Nonhazardous Waste Management	<p>Nonhazardous waste generated at the site consists of general trash, which is collected in on-site dumpsters and hauled off-site by a contractor to the Big Piney/Marbleton Landfill. According to Company personnel, EnCana USA occasionally generates scrap metal and concrete, which are managed off-site by PacificSteel and Triple Seven Construction, respectively.</p> <p>Because produced water and related E&P wastes are exempt from hazardous waste regulation under RCRA, these materials can be disposed as nonhazardous waste at properly licensed facilities.</p>	No issues identified.
Spill Prevention, Control, and Countermeasure (SPCC)	<p>The amount of oils and petroleum products stored aboveground at the site exceeds 1,320 gallons; therefore, the facility is subject to federal SPCC requirements. The Company has prepared SPCC plans that cover the subject site (and EnCana USA's surrounding operations located off-site), as required (one SPCC plan for Sections 9-24, T29N, R108W and one SPCC plan for Sections 31-36, T29N, R108W). The plans were most recently revised in June 2010 (Sections 9-24) and July 2010 (Sections 31-36) and are certified by a Professional Engineer. The SPCC plans appear to reflect current site conditions and contain the required elements.</p> <p>The SPCC regulations require that subject sites conduct and document routine visual inspections according to the frequency established in the site's plan. Company personnel indicated that annual SPCC inspections are conducted and records of such inspections are maintained. In addition, the Company conducts integrity testing for tanks on a regular schedule. The SPCC regulations allow sites to implement a visual monitoring program of tanks and drums in lieu of conducting integrity tests, provided that the site's SPCC plan provides a detailed discussion on the visual inspections as well as the rationale for why visual monitoring is an appropriate substitution for integrity testing.</p>	No issues identified.
UST and AST Registration	There are no USTs at the site. EnCana USA maintains numerous ASTs at the site for condensate, produced water, industrial water, and methanol. Because EnCana USA is not a dealer (i.e., does not sell fuel to the public), the WDEQ does not require that EnCana's ASTs be registered.	No issues identified.
Water Withdrawal and Safe Drinking	Based on ENVIRON's observations, a review of the on-line WSEO Water Rights Database, and water rights information provided by Company personnel, EnCana USA obtains water	The facility currently pumps groundwater from several on-site industrial groundwater supply

Table 4.1: Summary of Regulatory Compliance Matters		
Compliance Area	Description	ENVIRON's Conclusions
Water Act (SDWA)	<p>from several on-site and off-site industrial groundwater supply wells for "miscellaneous" (non-potable) use (e.g., well drilling, dust control on roads, irrigation on reclaimed areas). EnCana USA obtained permits to appropriate groundwater from the following eight on-site wells, which are located in Sections 32-34, T29N, R108W (Permit No. in parenthesis):</p> <ul style="list-style-type: none"> • SHB #7-32W (168425) • SHB #10-32W (171796) • SHB #13-32W (193916) • SHB #7-33W (171793) • SHB #8-34W (173540) • SHB #10-34W (171795) • SHB #16-34W (171792) • Jonah Fed (SHB) #32-34 (171642) <p>The maximum flow rate per well varies from 115 to 200 gallons per minute (gpm) and the maximum volume of water to be developed and beneficially used per calendar year varies from 3 to 15 acre feet. According to Company personnel, the Company meets water withdrawal limits.</p> <p>According to Company personnel, EnCana USA obtained a permit (168426) for one well (SHB #9-32W) that was not drilled.</p> <p>It appears that at least some of these permits granted water rights through December 31, 2008 or December 31, 2009; the permits are cancelled by the WSEO unless written requests for extension are submitted to the WSEO by December 31, 2008 or December 31, 2009, respectively. ENVIRON was not provided with documentation or confirmation from Company personnel that such extensions were requested. While ENVIRON has requested such documentation from the Company, EnCana USA personnel indicated that, if available, such information had not yet been located.</p>	<p>wells for on-site use (e.g., well drilling, dust control on roads, irrigation on reclaimed areas), but ENVIRON could not confirm whether the Company maintains current groundwater appropriation permits. ENVIRON requested current groundwater appropriation records from EnCana USA; however, to date, Company personnel could not locate such information (if available).</p>
Emergency Planning and Community Right to Know Act	<p>Based on information provided by Company personnel, it appears that chemical storage at the site exceeds chemical storage and usage thresholds above which chemical inventory reporting (i.e., Tier II) would be required under EPCRA regulations, as detailed below.</p>	<p>No issues identified.</p>

Table 4.1: Summary of Regulatory Compliance Matters		
Compliance Area	Description	ENVIRON's Conclusions
(EPCRA)	<p><u>Tier II Reporting:</u> Tier II chemical inventory forms are required to be submitted to emergency response agencies for all hazardous chemicals present at a facility in quantities of 10,000 pounds or greater, and for all extremely hazardous substances (EHS) in quantities greater than or equal to 500 pounds or the threshold planning quantity, whichever is less. For purposes of Tier II reporting, a hazardous chemical is defined as any material for which OSHA requires a MSDS. The site appears to be subject to Tier II reporting requirements. Specifically, EnCana USA maintains greater than 10,000 pounds of hazardous chemicals (namely, produced water). EnCana USA has submitted Tier II reports for its larger operations in the Jonah field (which includes the subject site).</p> <p><u>TRI Reporting:</u> The Toxic Release Inventory (TRI, otherwise known as Form R or Form A) requirements apply to certain sites within certain NAICS codes that have 10 or more full-time employees. Because site operations (which are classified under NAICS code 211111) do not fall in the list of TRI-subject NAICS codes, the site is not subject to TRI reporting requirements.</p> <p>The site is not listed in the EDR report, Envirofacts database, or ECHO databases with respect to EPCRA matters.</p>	
Ozone-Depleting Substances	Regulations under the CAA require that companies use certified technicians for certain repair/maintenance actions (e.g., refrigerant refilling/removal and connection of hoses/gauges.) and, for equipment containing more than 50 pounds of an ODS, maintain service records and conduct leak calculations. According to Company personnel, no cooling units are present at the site. Thus, the facility is not required to maintain servicing records or conduct leak calculations.	No issues identified.
Noise and Odors	Although the detection of noise and odors is dependent on the weather conditions and ongoing operations at the time of the site visit, ENVIRON did not note strong odors or excessive noise in exterior areas at the site. According to Company personnel, no complaints have ever been received from neighboring facilities or residents regarding noise or odors emanating from the site, nor has the site received correspondence from regulatory agencies regarding noise or odors.	No issues identified.
Occupational Safety and Health	According to Company personnel and the OSHA Establishment Search database, a portion of the facility (Section 9, T29N, R108W – Ensign Rig 129) was inspected by OSHA	No issues identified.

Table 4.1: Summary of Regulatory Compliance Matters		
Compliance Area	Description	ENVIRON's Conclusions
	(specifically, the Wyoming Department of Employment, Workers' Safety & Compensation [Workers' Safety]) on March 6, 2008. One violation related to electrical equipment, wiring, fixtures, and cords was noted and resulted in a \$4,500 penalty. In February 2008, EnCana USA entered into a consent agreement with Workers' Safety; the consent agreement vacated the violation and penalty. Company personnel, as well as the OSHA database, indicated that the violation has been addressed.	

5 References

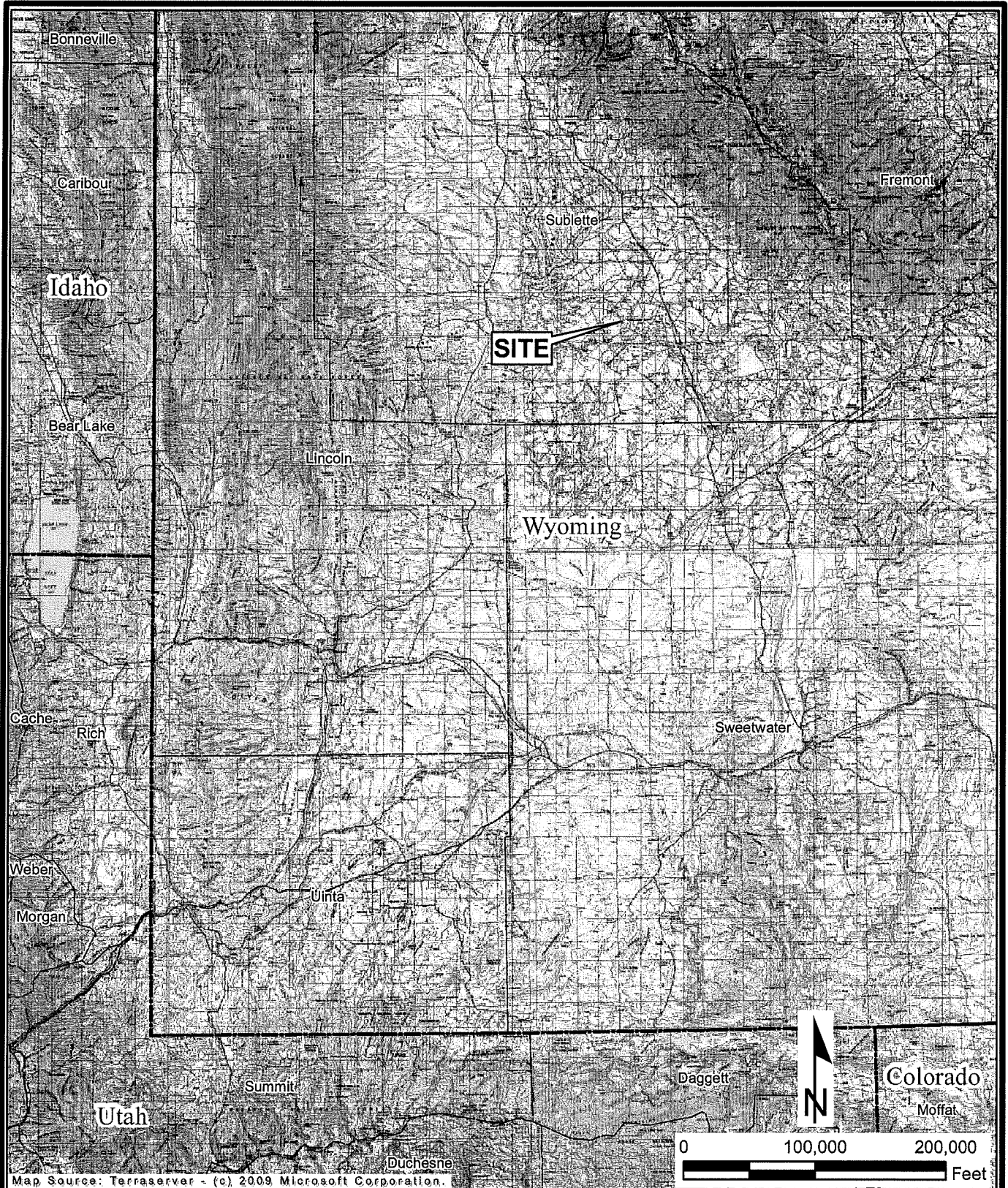
5.1 Documents

- EDR. 2011. "The EDR Aerial Photo Decade Package, Inquiry Number 2979775.8." February 7.
- EDR. 2011. "Certified Sanborn® Map Report, Inquiry Number 2979775.3." February 1.
- EDR. 2011. "Certified Sanborn® Map Report, Inquiry Number 2979824.3." January 31.
- EDR. 2011. "EDR-City Directory Abstract, Inquiry Number 2979775.6." February 14.
- EDR. 2011. "EDR-City Directory Abstract, Inquiry Number 2979824.6." February 14.
- EDR. 2011. "EDR Historical Topographic Map Report, Inquiry Number 2979775.4." February 1.
- EDR. 2011. "EDR Historical Topographic Map Report, Inquiry Number 2979824.4." February 1.
- EDR. 2011. "USGS Aerial Photography Priority Package, Inquiry Number 2979824.5." February 4.
- EDR. 2011. "The EDR Radius Map™ Report with GeoCheck®, Inquiry Number 02979824.2r," January 31.
- EDR. 2011. "The EDR Radius Map™ Report with GeoCheck®, Inquiry Number 02979775.2r," January 31.
- BLM Wyoming State Office. 2006. *Record of Decision (ROD), Jonah Infill Drilling Project, Sublette County, Wyoming.* March 14.
- BLM Wyoming State Office and the Pinedale and Rock Springs Field Offices. 2006. *Final Environmental Impact Statement, Jonah Infill Drilling Project, Sublette County, Wyoming* January.

5.2 Interviews

- David Stewart. EnCana USA. 2011. Personal interview. February 8.
- Greg Schamber. EnCana USA. 2011. Personal interview. February 3.
- Julia Gwaltney. EnCana USA. 2011. Telephone interview, personal interview. January 31, February 8.

Figures



ENVIRON

Site Location Map

EnCana Oil and Gas (USA) Inc.
Portions of the Jonah Natural Gas Field
Sublette County, Wyoming

Figure

1

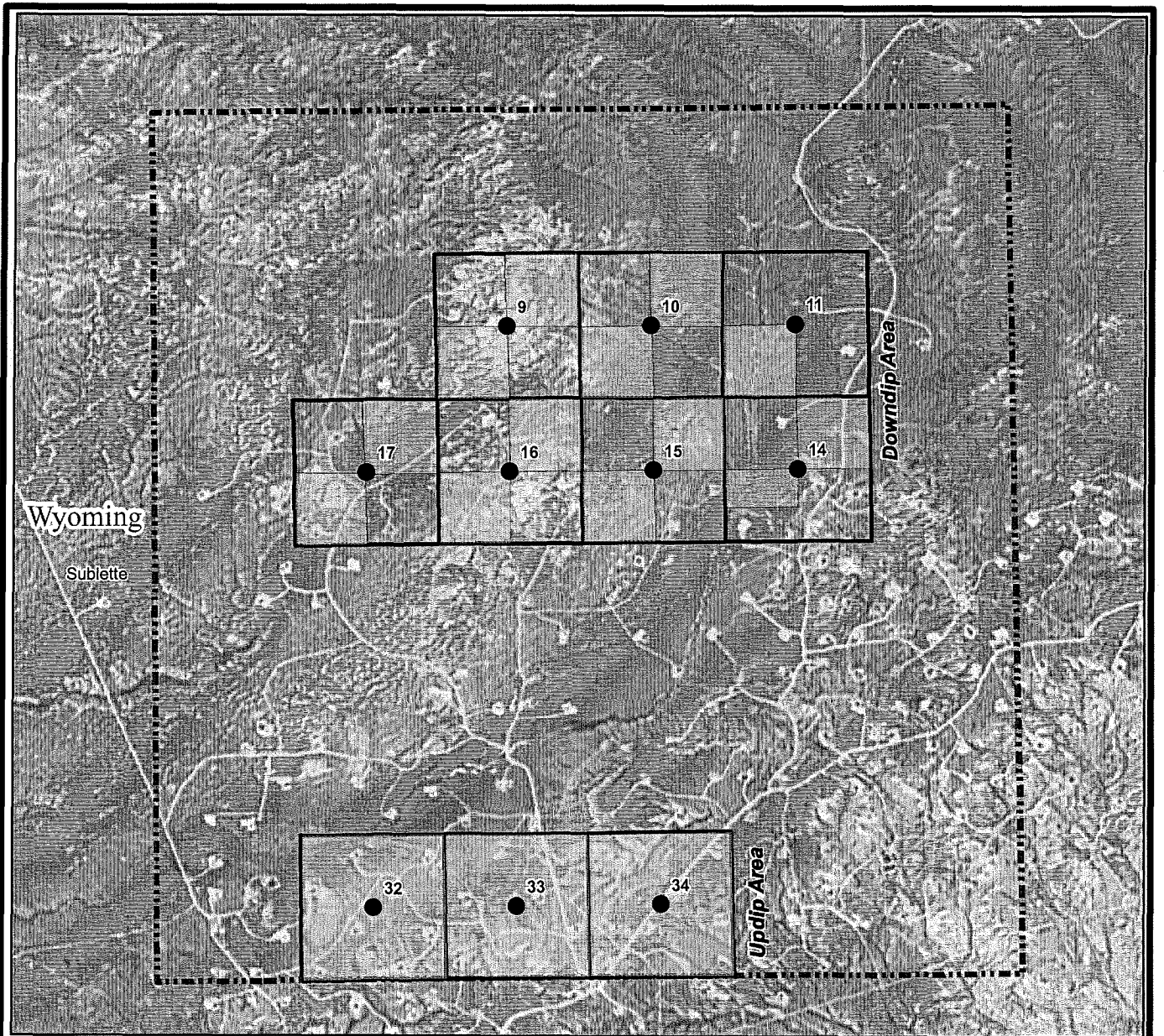
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Date: 2/10/11

Contract Number: 03-26913A





Approved:

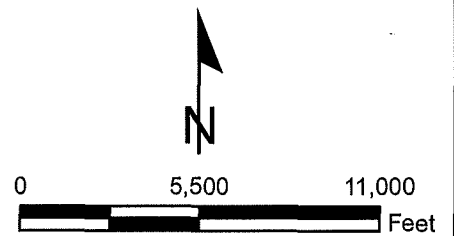
Revised:



Map Source: Bing Maps - (c) 2009 Microsoft Corporation.

Legend:

-  Sections
-  # Section Numbers
-  Site
-  T29N, R108W



ENVIRON

Site Layout

EnCana Oil and Gas (USA) Inc.
 Portions of the Jonah Natural Gas Field
 Sublette County, Wyoming

Figure

2

Drafter: RS

Date: 2/10/11

Contract Number: 03-26913A

Approved:

Revised:

Appendix A
Site Photographs

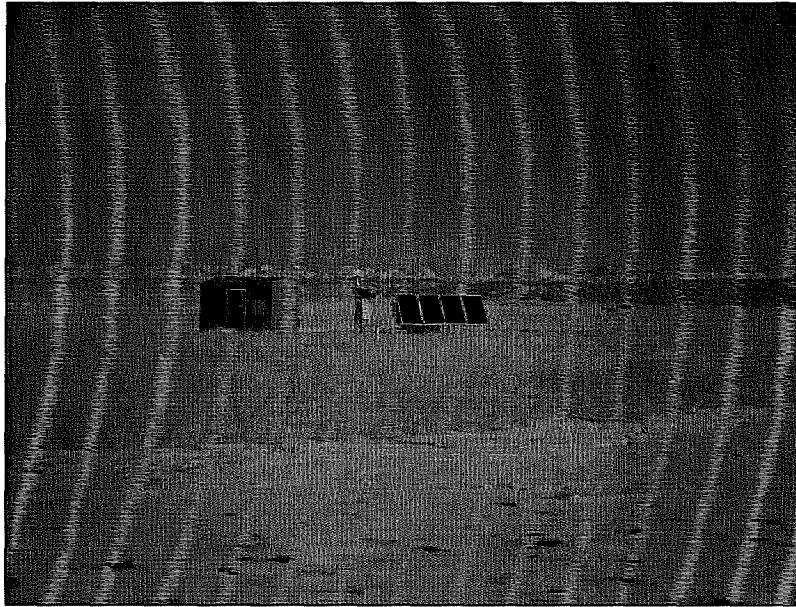


Photo 1: View of a well head hut and solar panels.

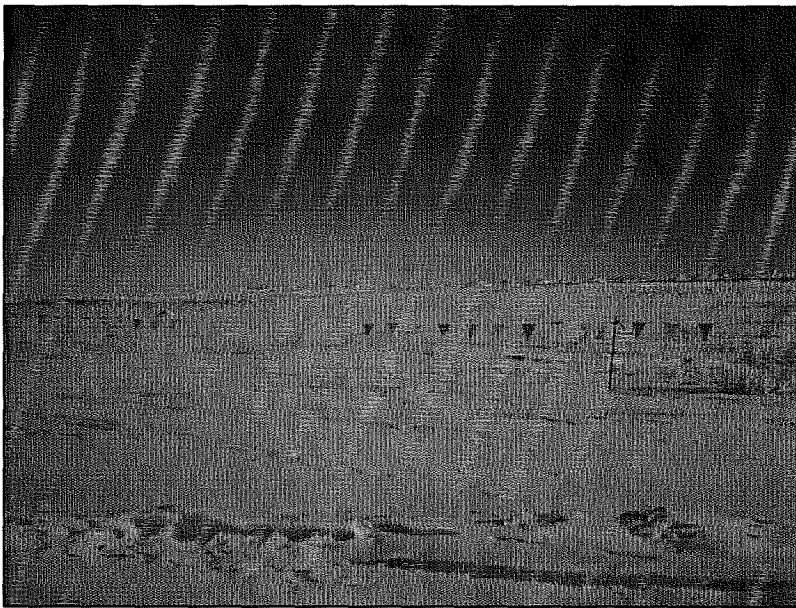


Photo 2: View of a snow-covered reserve pit location and evidence of grass/vegetation growth above the snow line.

Title: Site Photographs – EnCana USA	Date: February 2011
Site Location: Portions of the Jonah Natural Gas Field Sublette County, Wyoming	ENVIRON

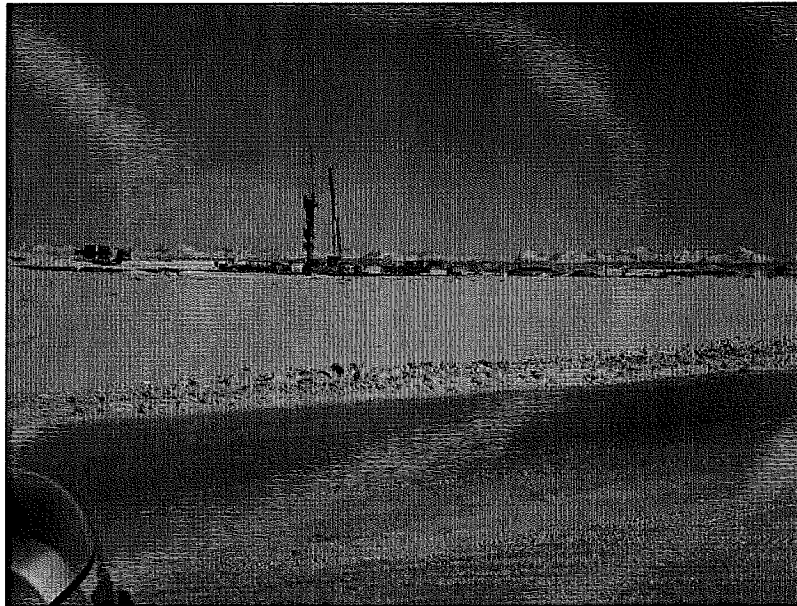


Photo 3: View of natural gas well drilling activities (background).

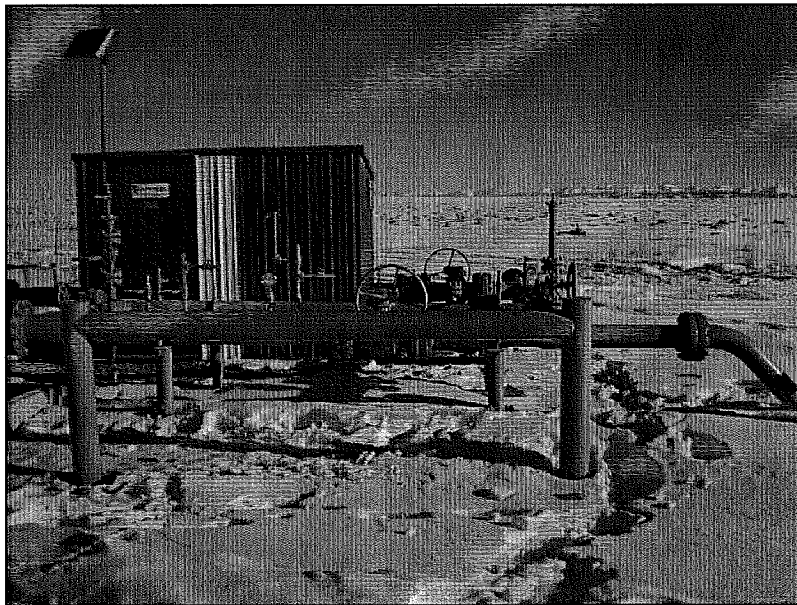


Photo 4: View of natural gas pipelines and a hut for gas metering equipment.

Title: Site Photographs – EnCana USA	Date: February 2011
Site Location: Portions of the Jonah Natural Gas Field Sublette County, Wyoming	ENVIRON

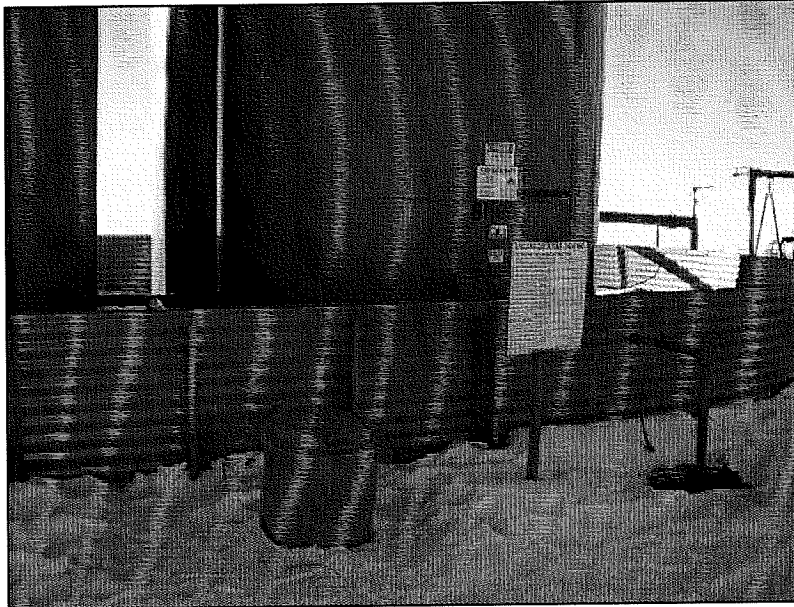


Photo 5: View of a condensate tank within secondary containment.

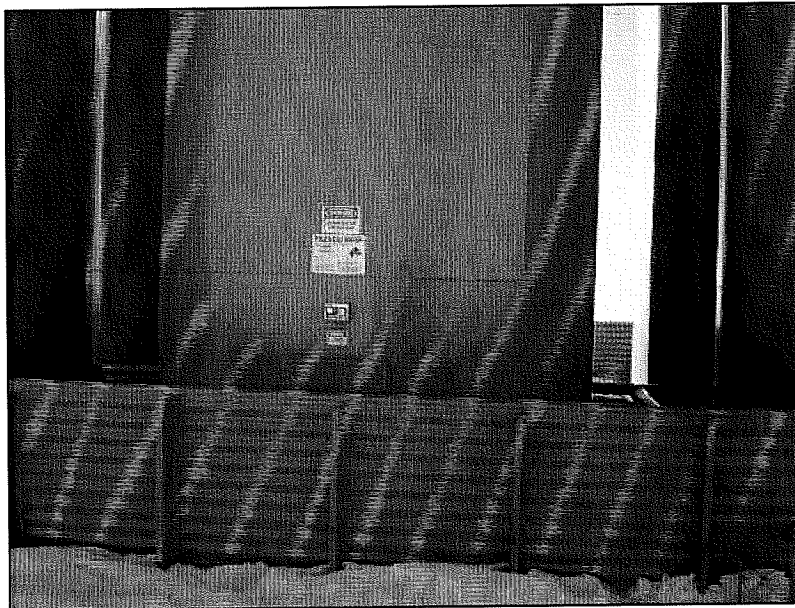


Photo 6: View of a produced water tank within secondary containment.

Title: Site Photographs – EnCana USA	Date: February 2011
Site Location: Portions of the Jonah Natural Gas Field Sublette County, Wyoming	ENVIRON

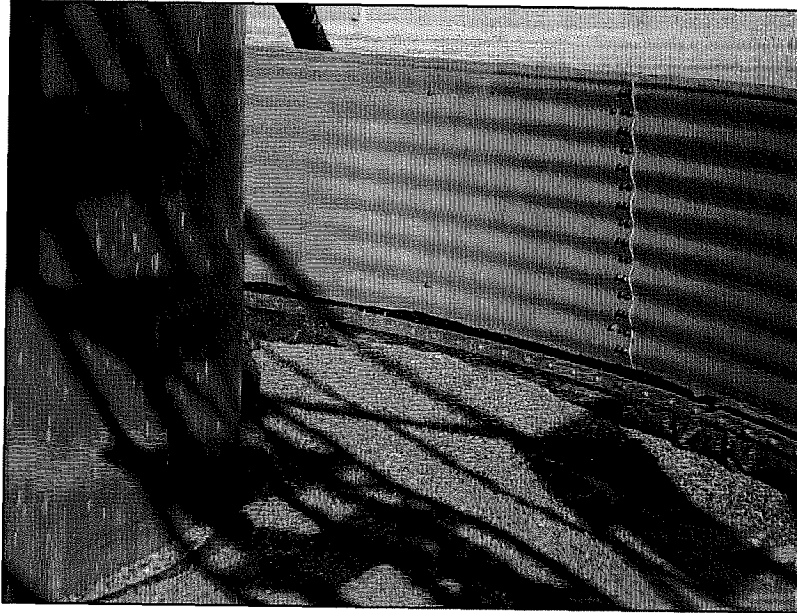


Photo 7: View of the interior of the secondary containment for condensate and produced water tanks at a central delivery point in the DOWDIP Area.

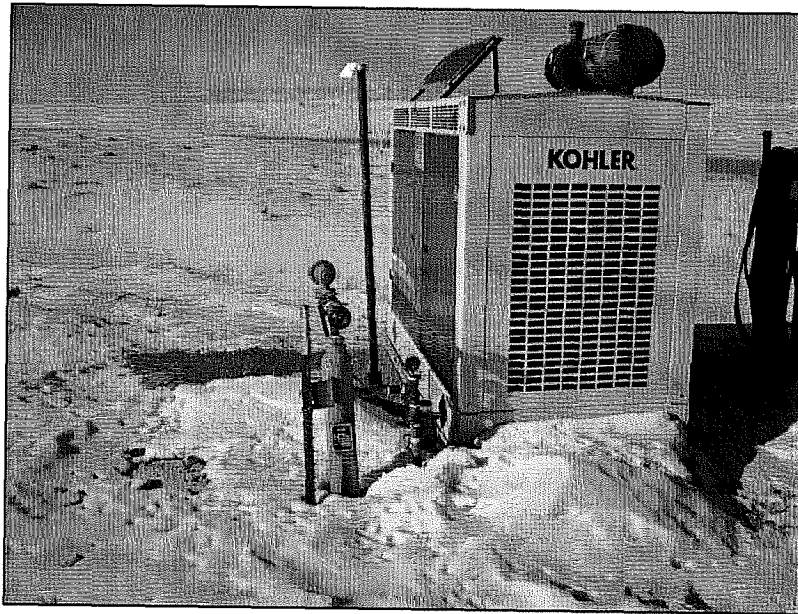


Photo 8: View of a natural gas powered generator associated with a groundwater well.

Title: Site Photographs – EnCana USA	Date: February 2011
Site Location: Portions of the Jonah Natural Gas Field Sublette County, Wyoming	ENVIRON



Photo 9: View of a portion of the playa in Section 32, T29N, R108W, looking west.

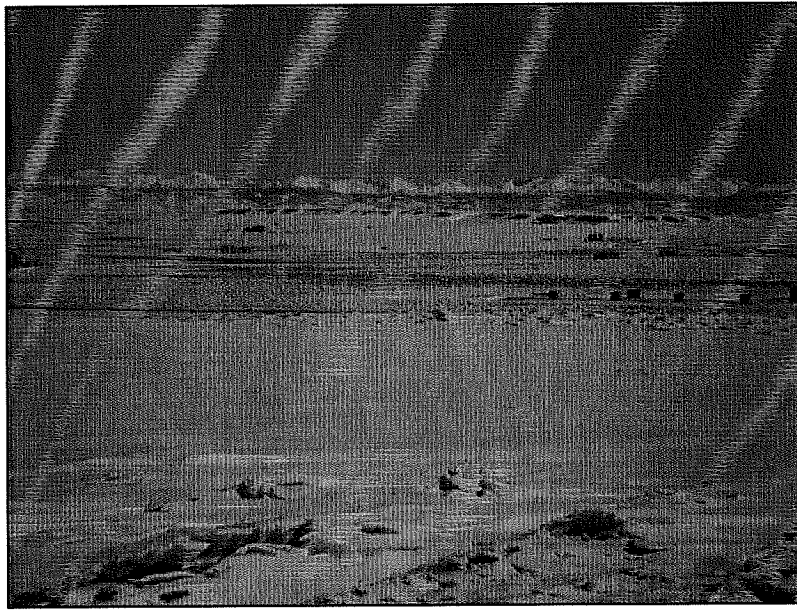


Photo 10: View of snow-covered undeveloped land, well head huts, and production equipment in the Updip Area.

Title: Site Photographs – EnCana USA	Date: February 2011
Site Location: Portions of the Jonah Natural Gas Field Sublette County, Wyoming	ENVIRON

Appendix B

Environmental Database Reports

Notes on Environmental Database Reports

EDR conducted its searches for the standard environmental record sources and the minimum search distances, as specified by the ASTM Standard. The ASTM Standard uses the terminology "approximate minimum search distance" to refer to the radii searched in the environmental database report. The EDR database search contained a number of unmapped sites. Although it was beyond the scope of this assessment to locate each of the unmapped sites identified by EDR, ENVIRON reviewed the list of unmapped sites for any properties observed during the facility visit to be nearby or adjacent to the subject site.

EDR conducted the search of environmental databases in January 2011. Because the environmental databases themselves are sometimes not updated by the specific regulatory agencies for periods of up to one year or more (depending on the database and the state), the database search conducted herein will not necessarily list any facility or site for which an environmental investigation/listing has been initiated subsequent to the last update.

Downdip

BLM Road 5410

Boulder, WY 82923

Inquiry Number: 02979824.2r

January 31, 2011

The EDR Radius Atlas™ with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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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

BLM ROAD 5410
BOULDER, WY 82923

COORDINATES

Latitude (North): 42.489700 - 42° 29' 22.9"
Longitude (West): 109.714600 - 109° 42' 52.6"
Universal Tranverse Mercator: Zone 12
UTM X (Meters): 605637.4
UTM Y (Meters): 4704735.5
Elevation: 7204 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42109-D6 STUD HORSE BUTTE, WY
Most Recent Revision: 1969

North Map: 42109-E6 GOBBLERS KNOB, WY
Most Recent Revision: 1980

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

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

SWF/LF..... Solid Waste Facility Database
SHWF..... Solid & Hazardous Waste Facility Database

State and tribal leaking storage tank lists

LTANKS..... Known Contaminated Sites
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

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

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing
INST CONTROL..... Sites with Institutional Controls

State and tribal voluntary cleanup sites

VCP..... List of Voluntary Remediation Program Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CDL..... Clandestine Drug Lab Site Locations
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... SPILL Database

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File

EXECUTIVE SUMMARY

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)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

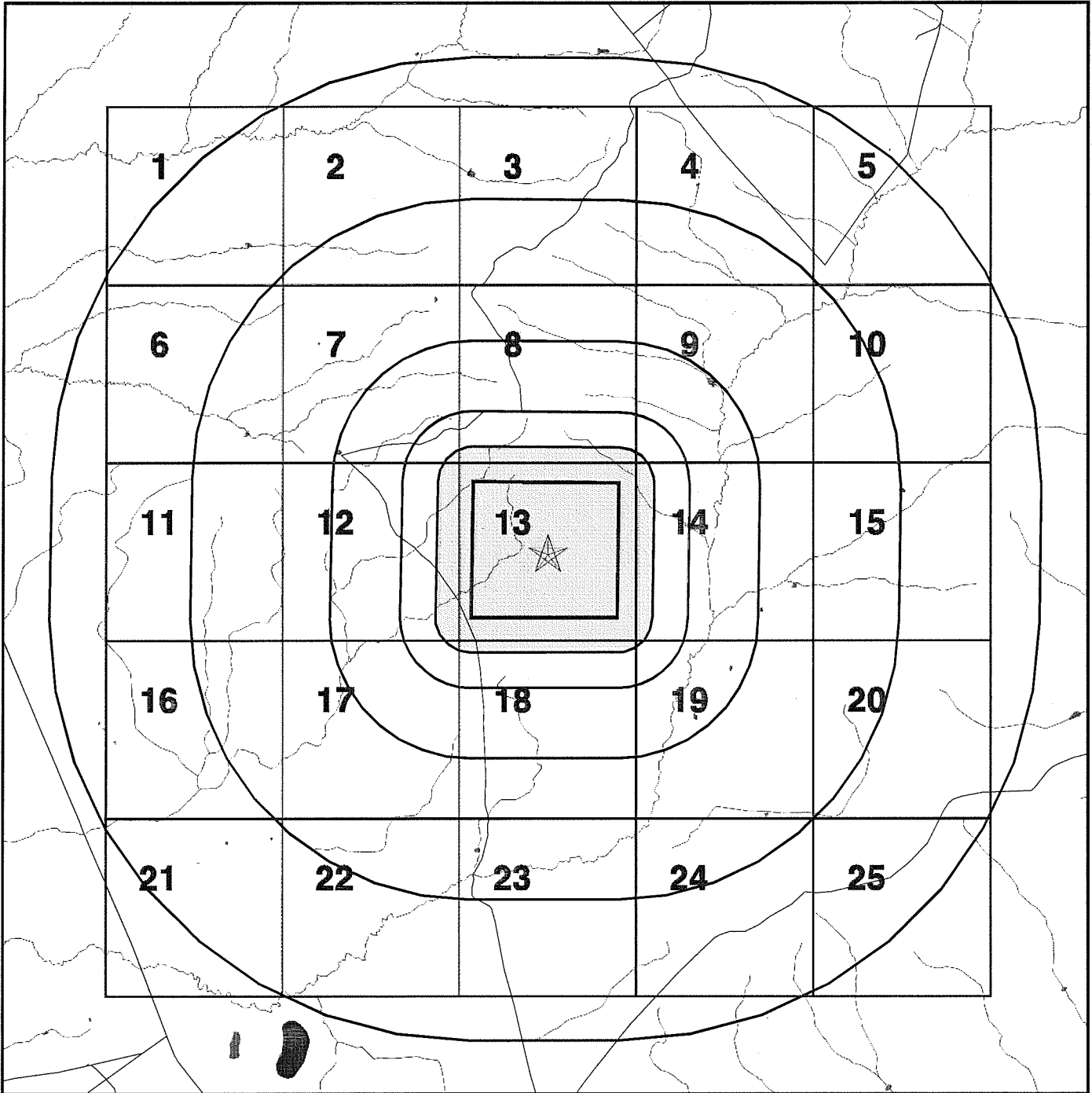
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

<u>Site Name</u>	<u>Database(s)</u>
TEXACO, CALPET	CERC-NFRAP
BLM-BIRCH CREEK SITE	CERC-NFRAP
BLM-BOULDER LANDFILL	CERC-NFRAP
NEWPARK BOULDER PCS FACILITY (50.5	SWF/LF
BOULDER STORE	ICIS

OVERVIEW MAP - 02979824.2r



∨ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

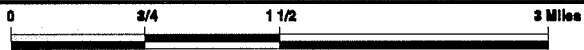
▨ National Priority List Sites

▨ Dept. Defense Sites

▨ Indian Reservations BIA

∨ Oil & Gas pipelines

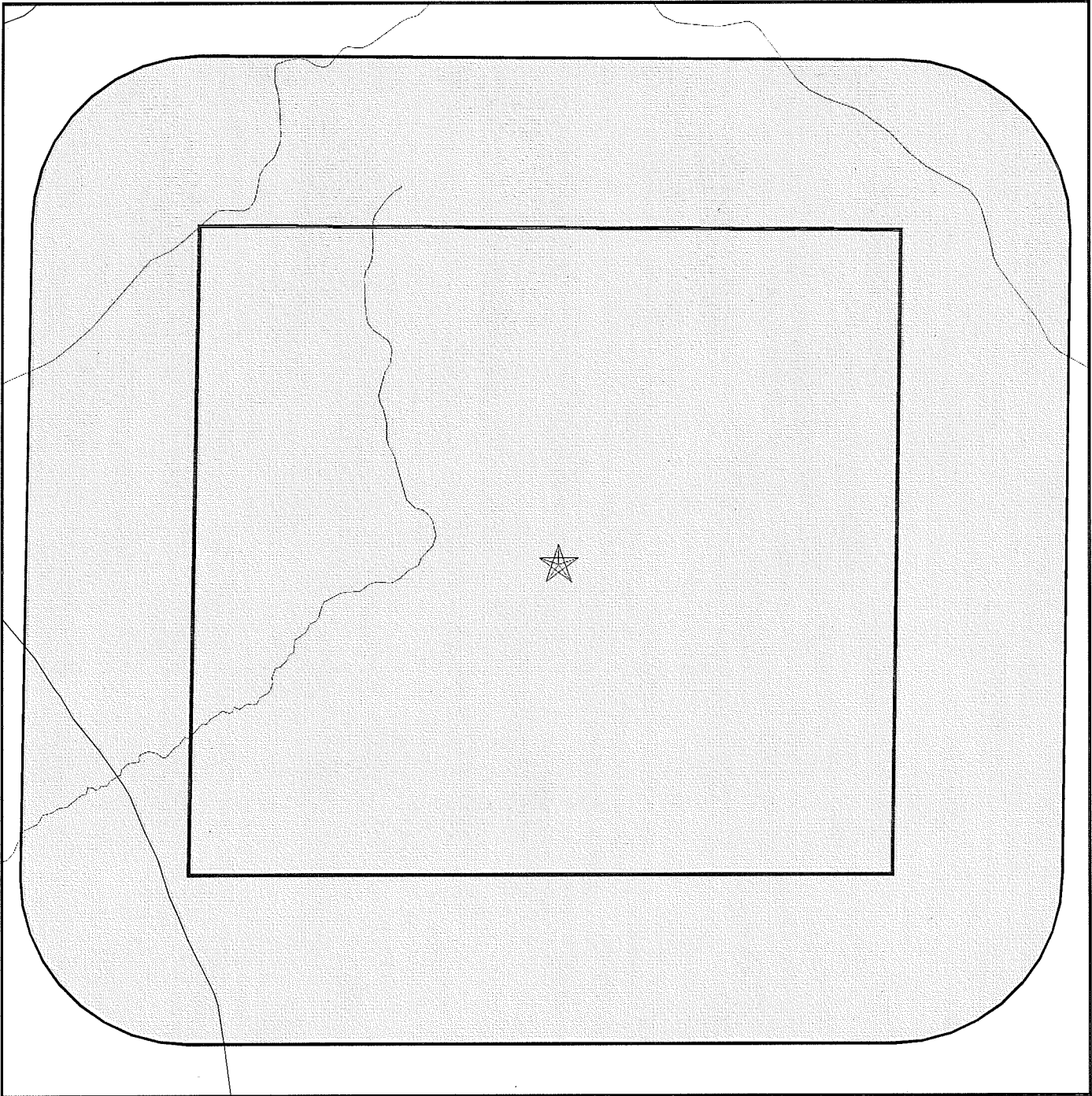
▨ National Wetland Inventory










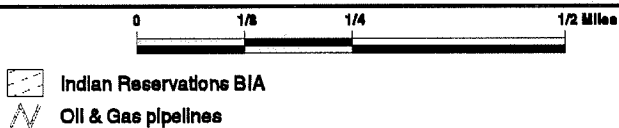
SITE NAME: Downdip
ADDRESS: BLM Road 5410
 Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146


CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:58 pm

DETAIL MAP 1 of 25 - 02979824.2r



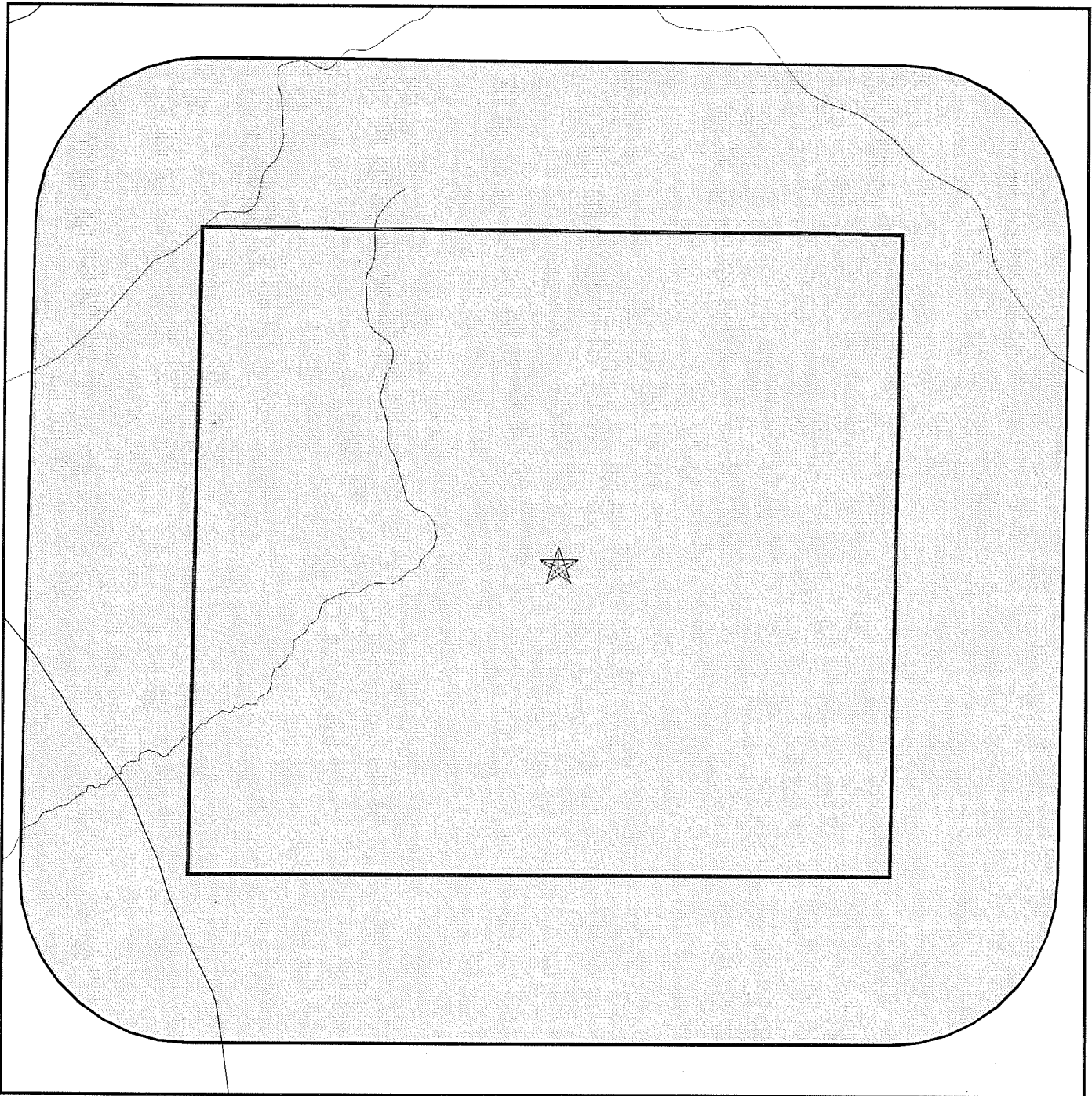
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites










-  Indian Reservations BIA
-  Oil & Gas pipelines



SITE NAME: DOWNDIP ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4897 / 109.7146	CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979824.2r DATE: January 31, 2011 7:58 pm
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DETAIL MAP 2 of 25 - 02979824.2r



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



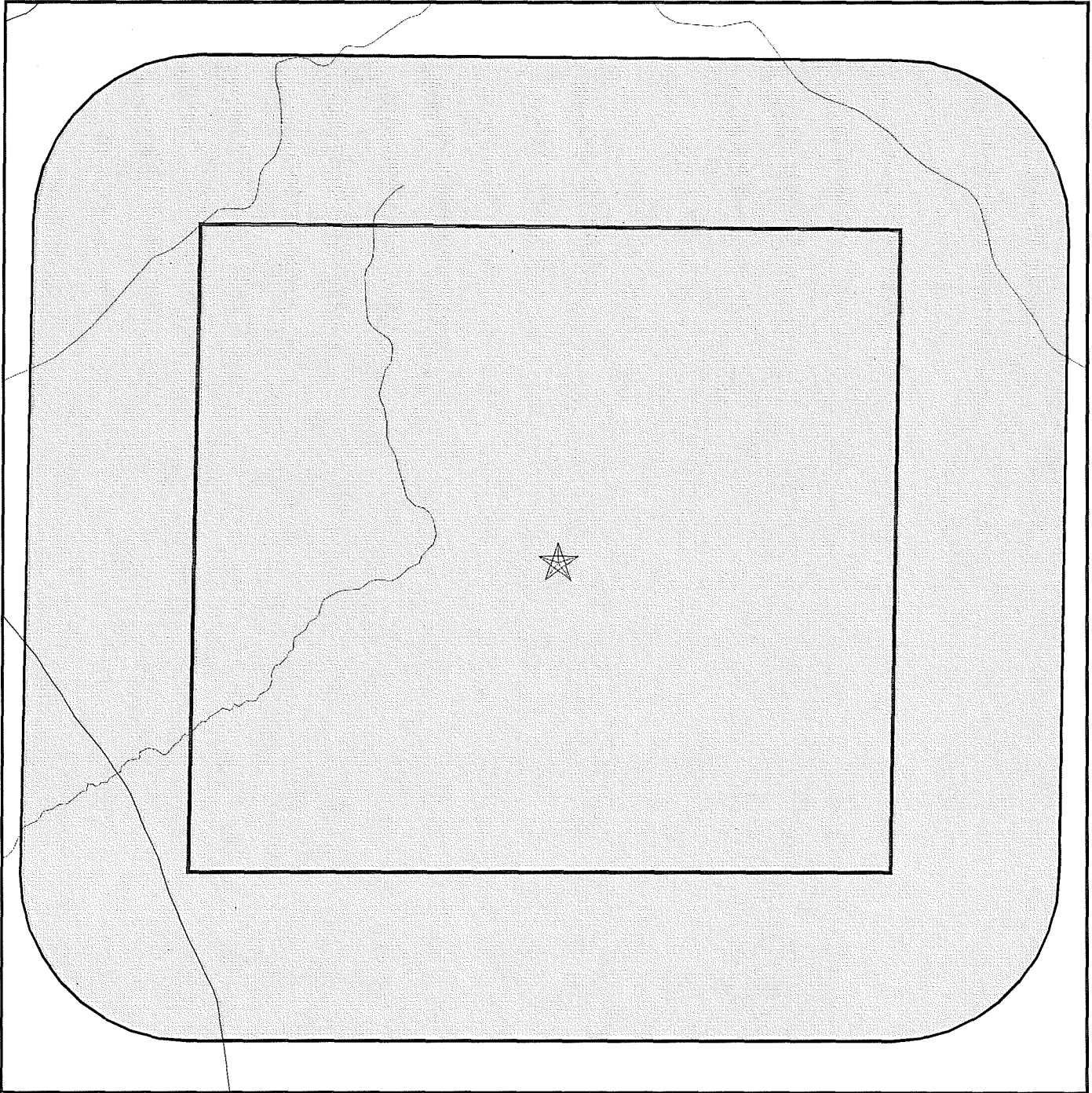
-  Indian Reservations BIA
-  Oil & Gas pipelines










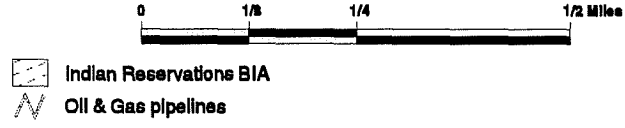
SITE NAME: Dowlip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146



CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:58 pm

DETAIL MAP 3 of 25 - 02979824.2r



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

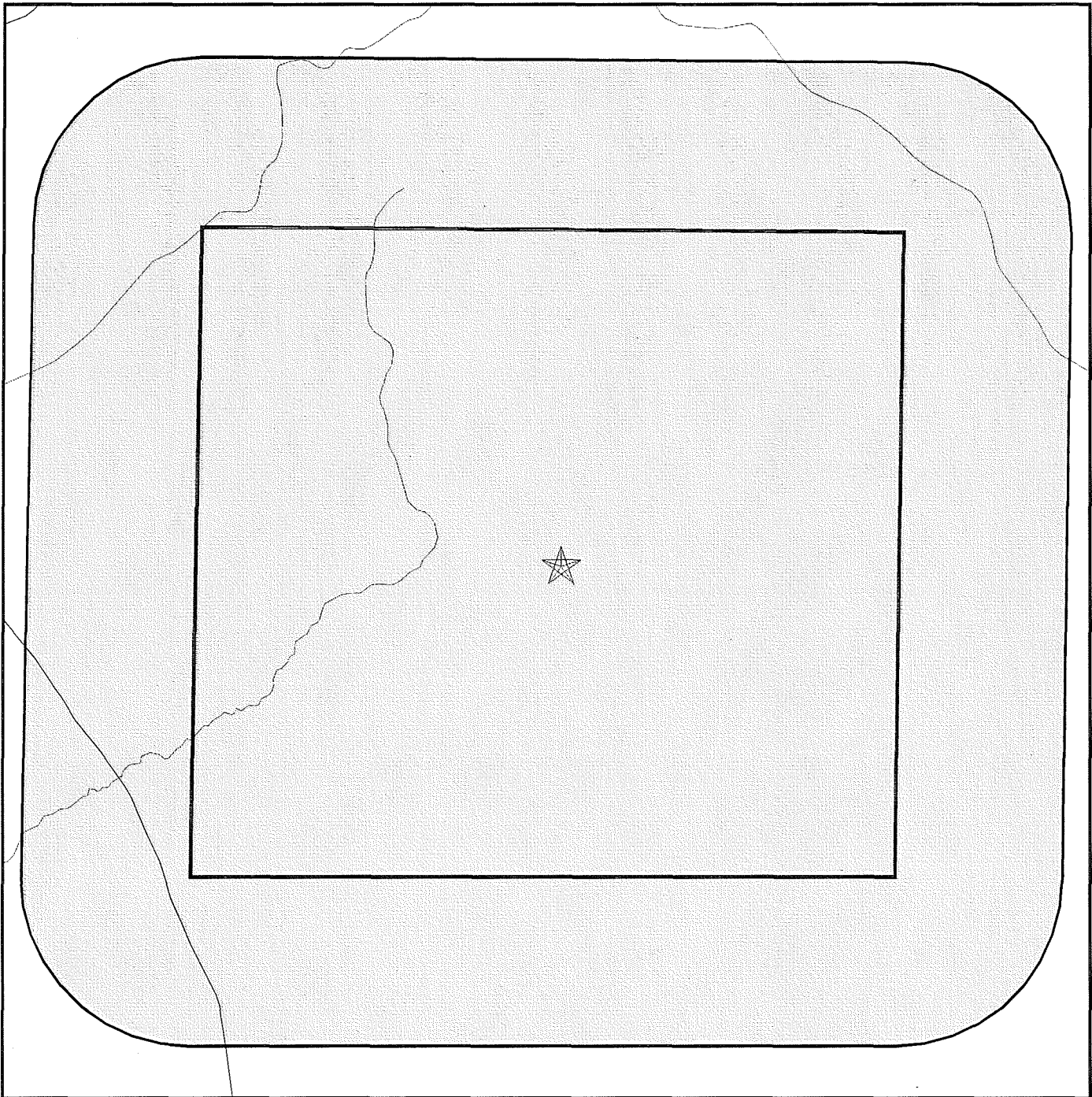









-  Indian Reservations BIA
-  Oil & Gas pipelines

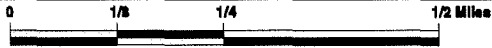
SITE NAME: Dwndlp
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:58 pm

DETAIL MAP 4 of 25 - 02979824.2r



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



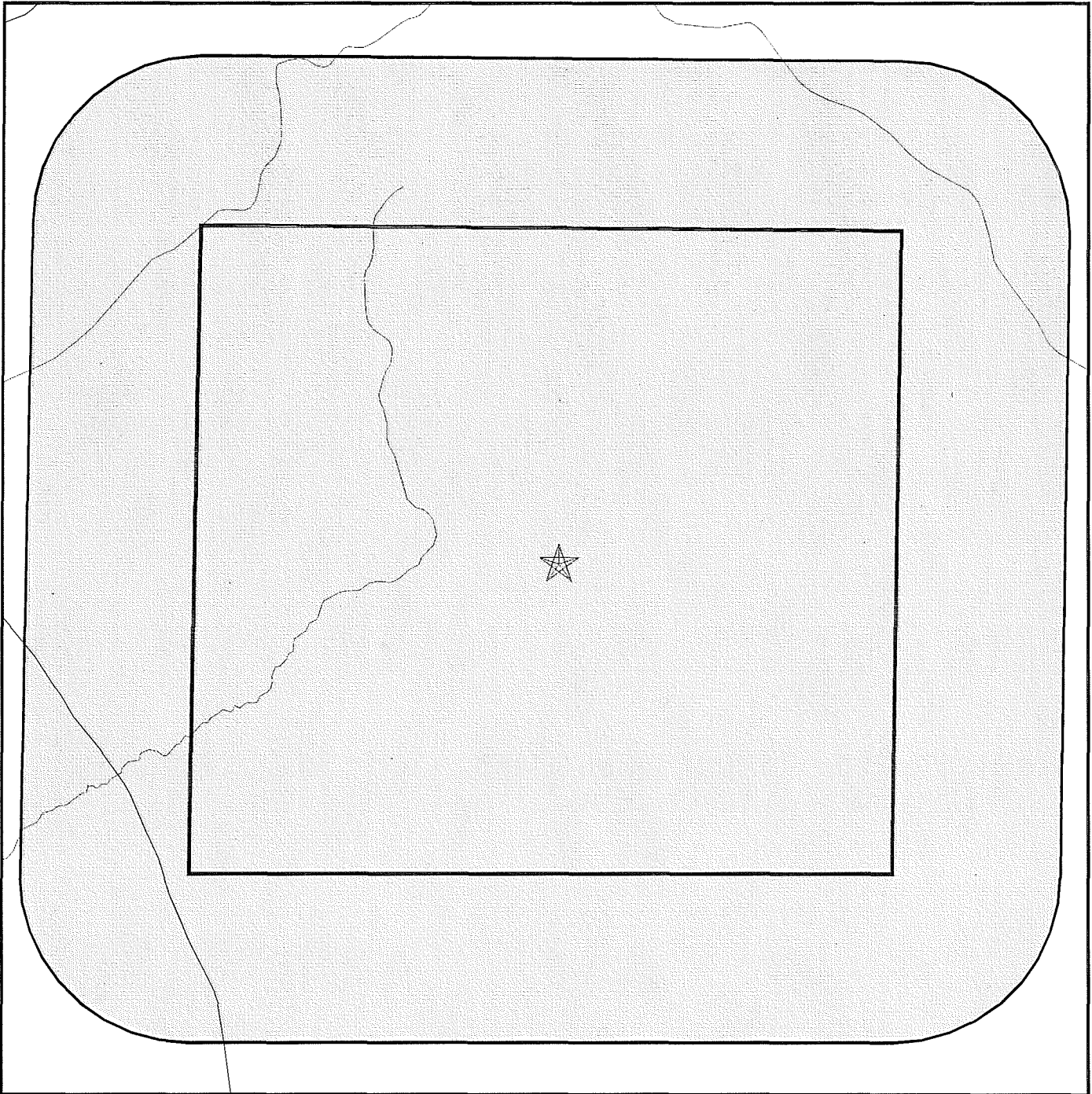
-  Indian Reservations BIA
-  Oil & Gas pipelines










SITE NAME: Downdip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

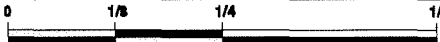
CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:58 pm


DETAIL MAP 5 of 25 - 02979824.2r




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

0 1/8 1/4 1/2 Miles



 Indian Reservations BIA

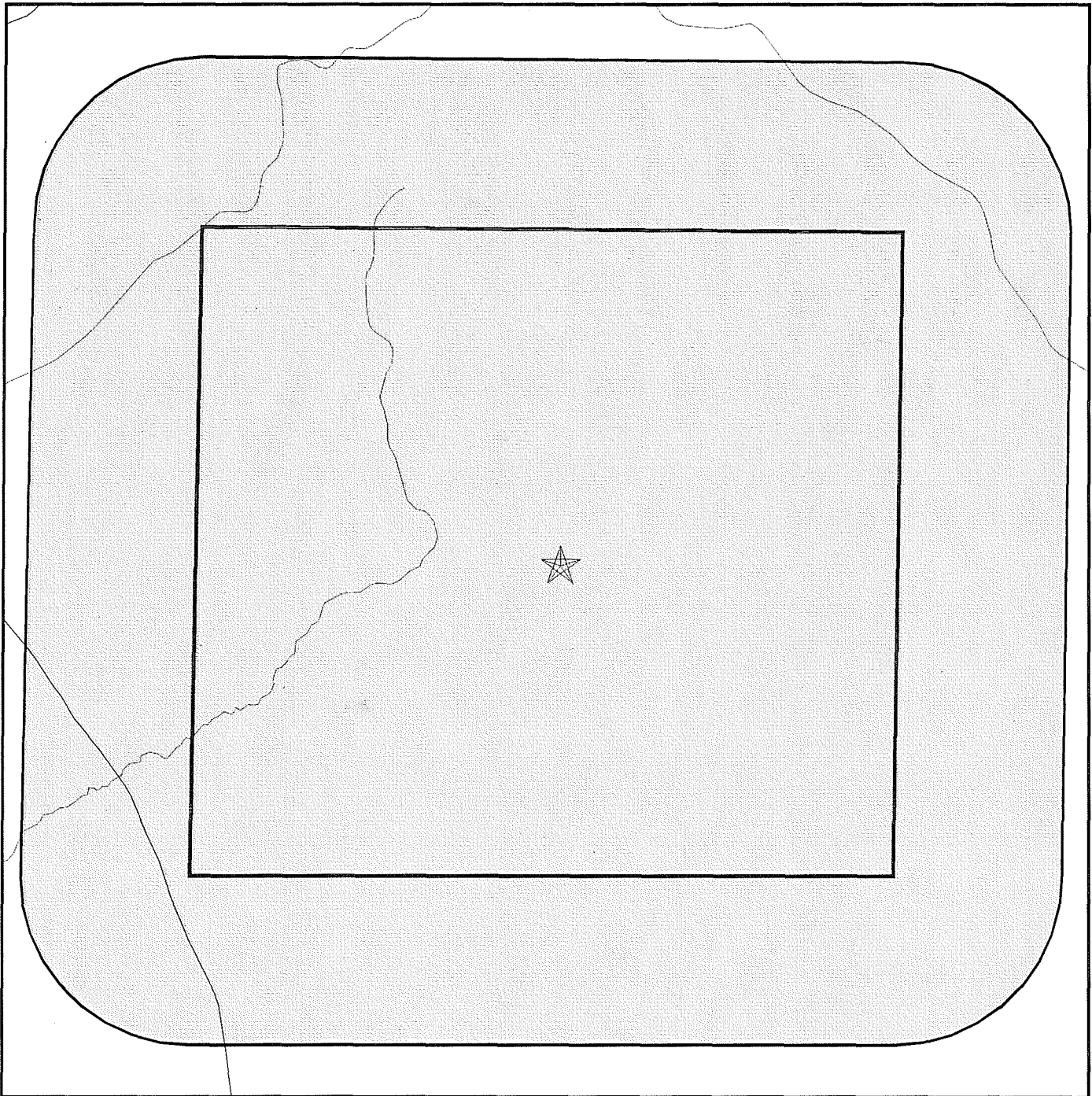
 Oil & Gas pipelines










SITE NAME: Dowlip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146



CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:58 pm

DETAIL MAP 6 of 25 - 02979824.2r



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



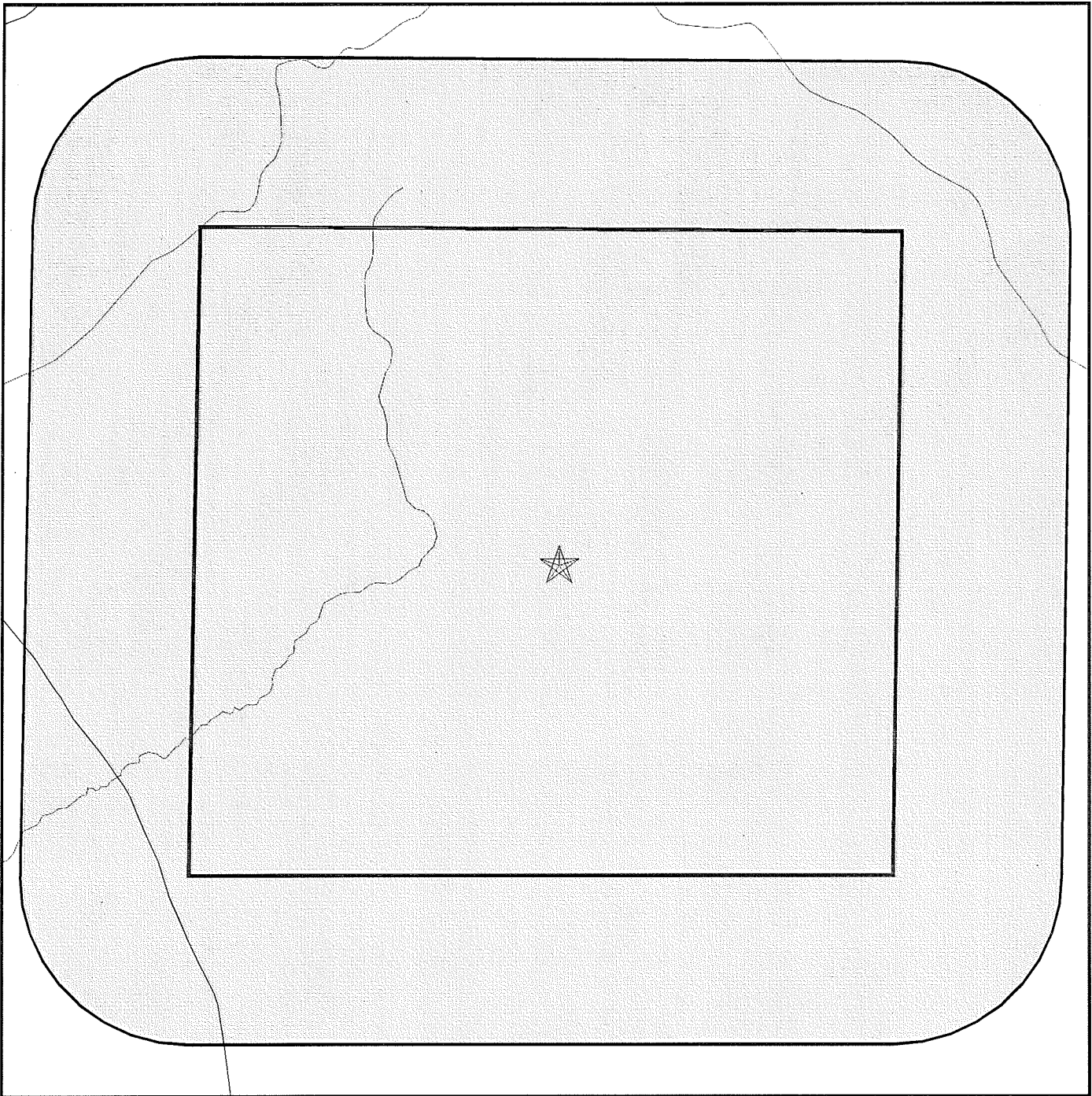
-  Indian Reservations BIA
-  Oil & Gas pipelines










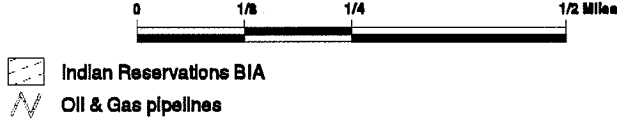
SITE NAME: DOWNDIP
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:58 pm

DETAIL MAP 7 of 25 - 02979824.2r

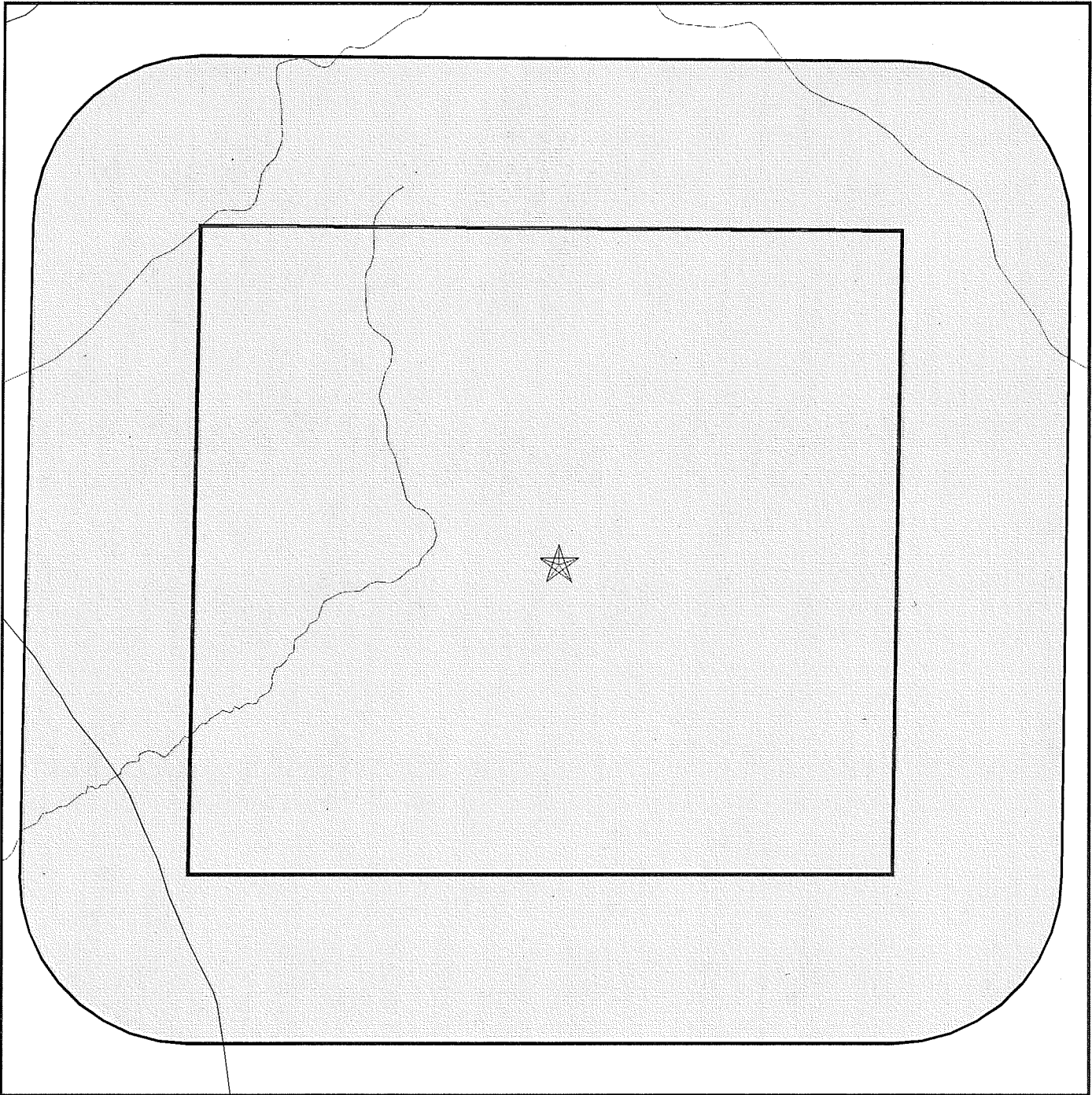









-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

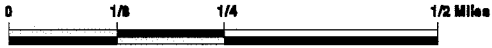


SITE NAME: Downdip ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4897 / 109.7146	CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979824.2r DATE: January 31, 2011 7:58 pm
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DETAIL MAP 8 of 25 - 02979824.2r



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



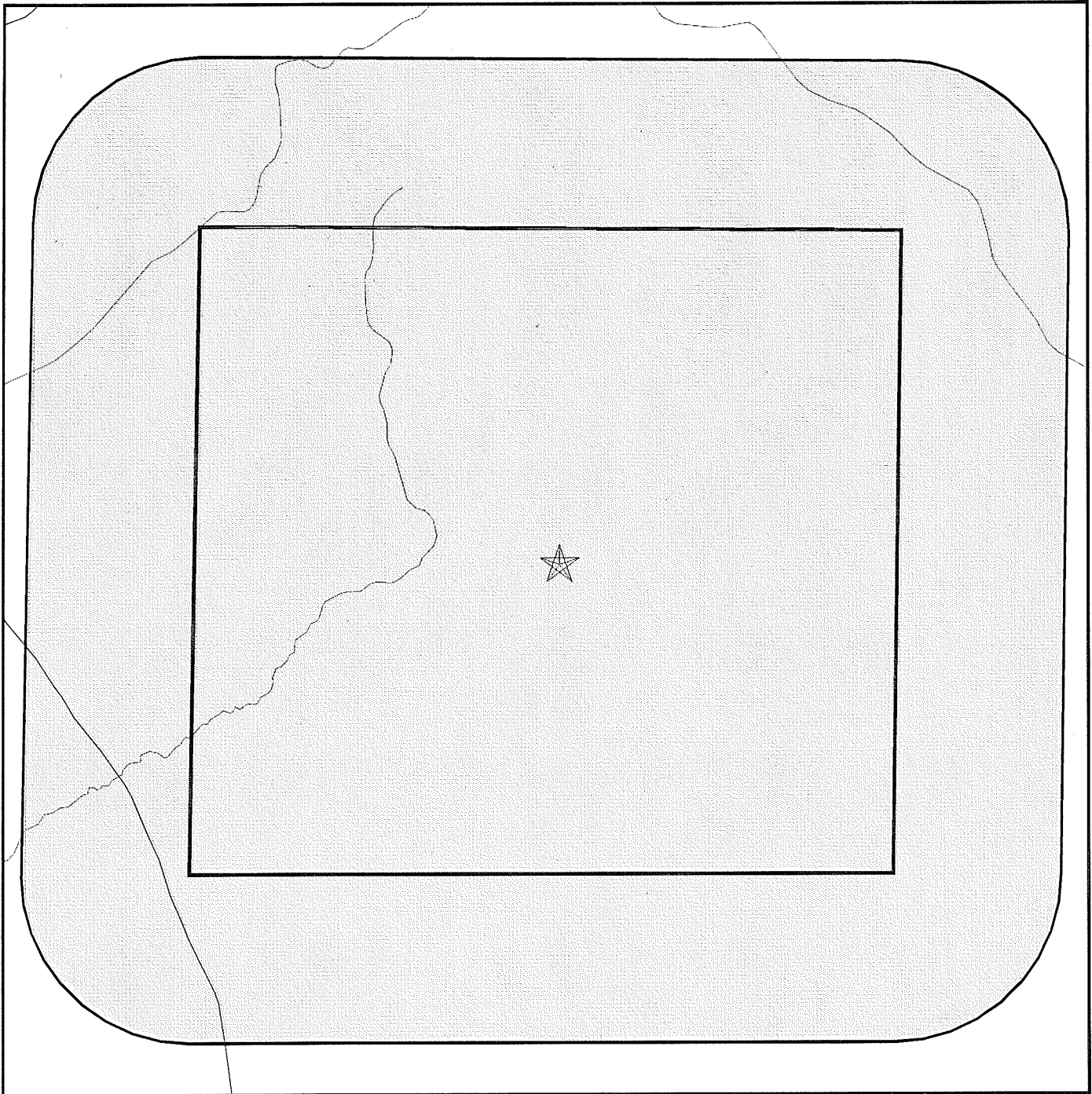
-  Indian Reservations BIA
-  Oil & Gas pipelines










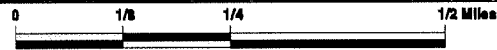
SITE NAME: Dowlip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146



CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:58 pm

DETAIL MAP 9 of 25 - 02979824.2r



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

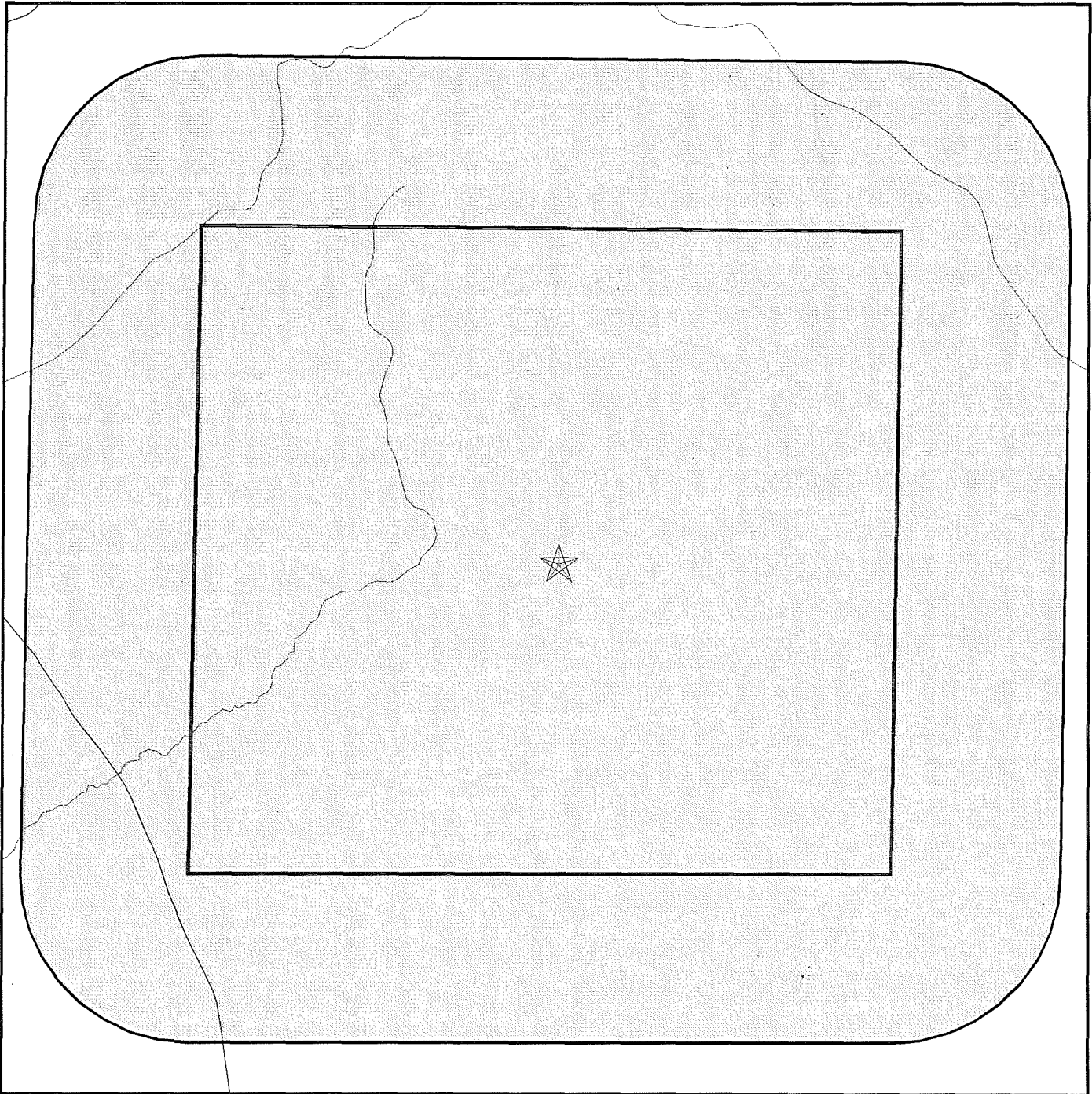









-  Indian Reservations BIA
-  Oil & Gas pipelines

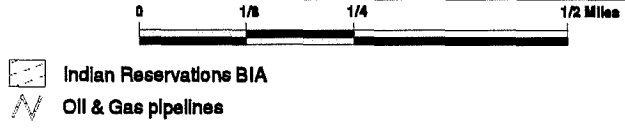


SITE NAME: DOWNDIP ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4897 / 109.7146	CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979824.2r DATE: January 31, 2011 7:58 pm
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DETAIL MAP 10 of 25 - 02979824.2r

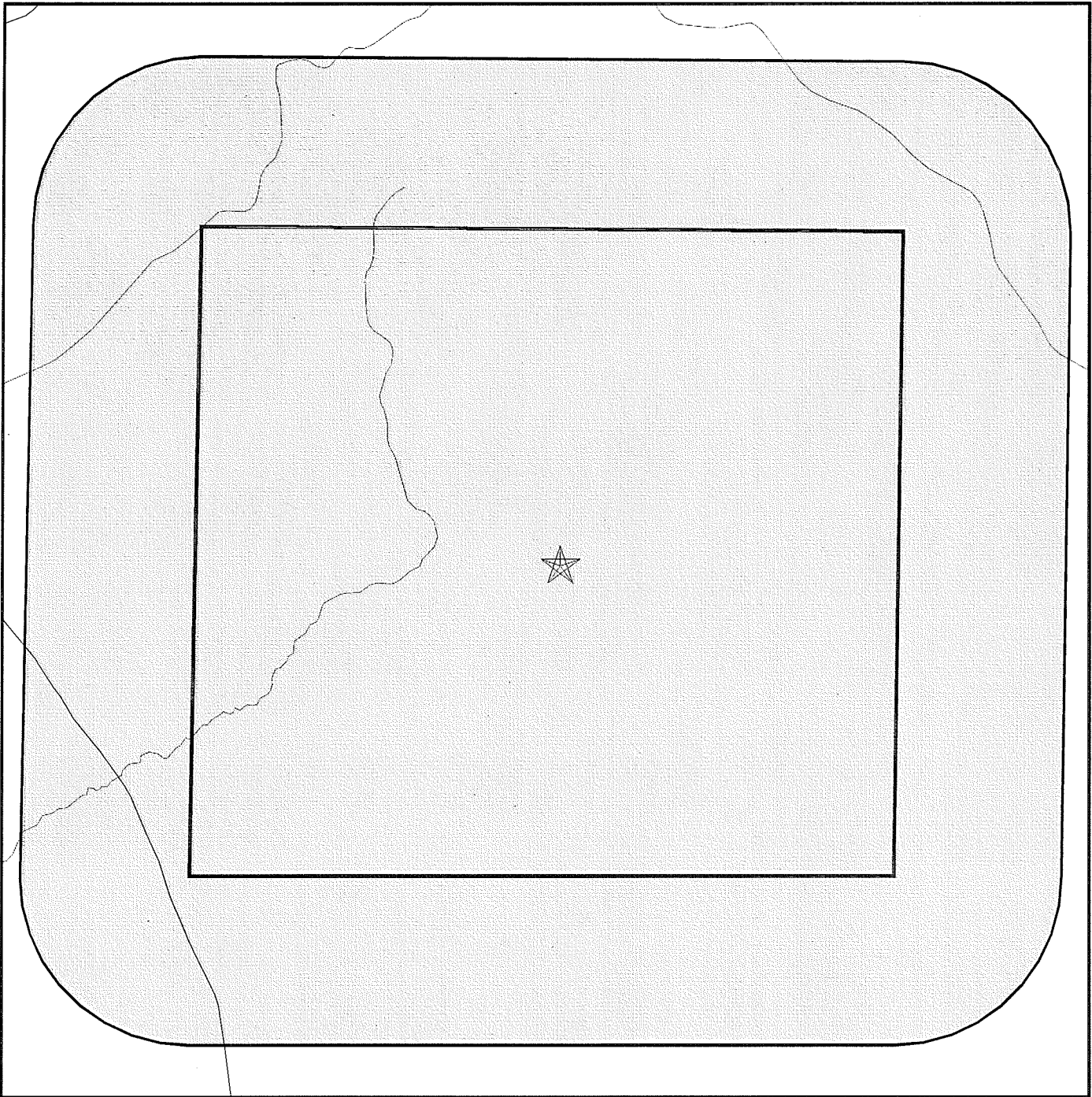









-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

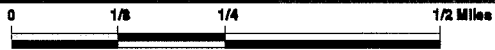


SITE NAME: DOWNDIP ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4897 / 109.7146	CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979824.2r DATE: January 31, 2011 7:59 pm
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DETAIL MAP 11 of 25 - 02979824.2r



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



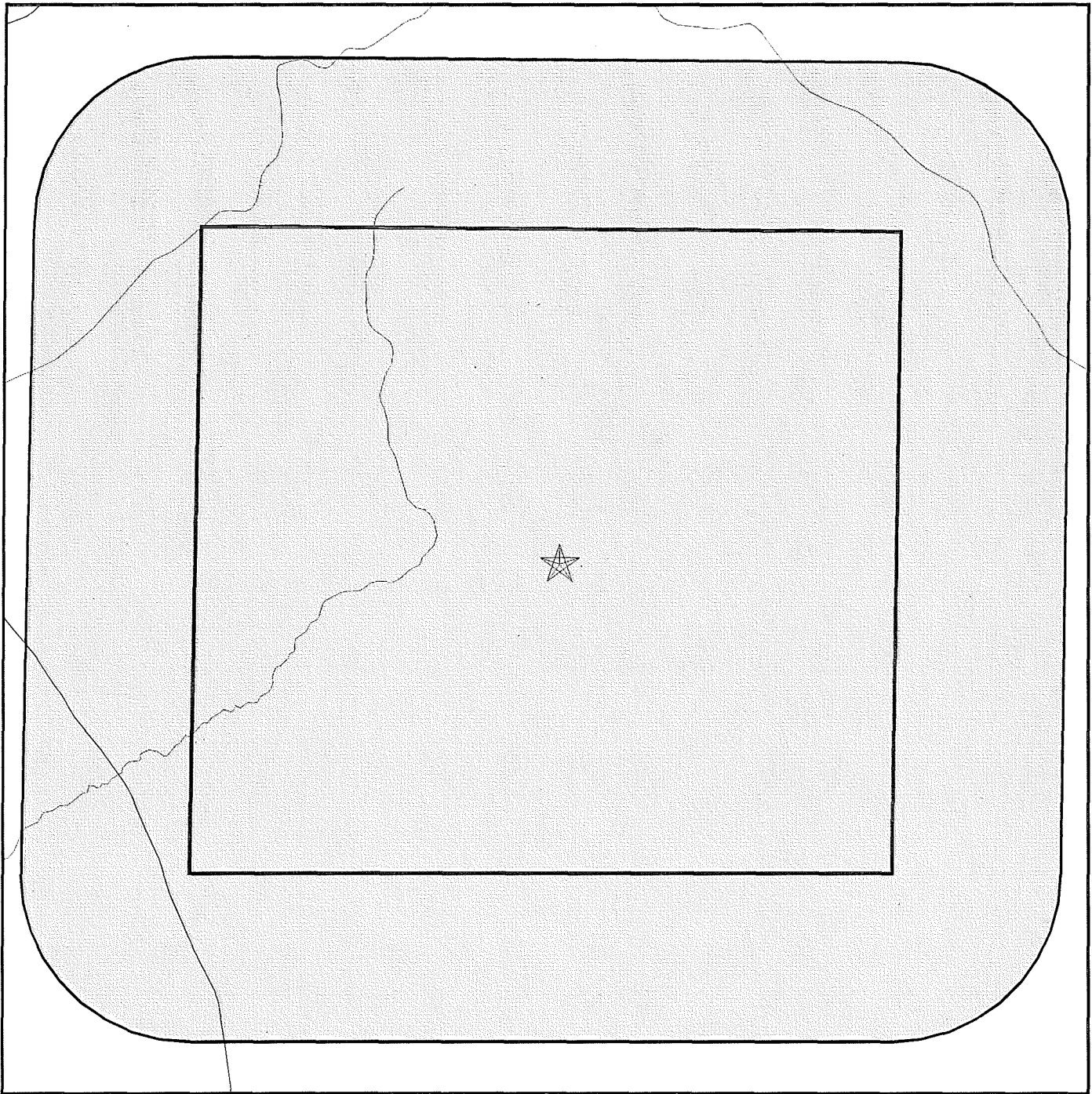
-  Indian Reservations BIA
-  Oil & Gas pipelines










SITE NAME: Downdip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

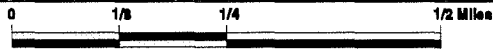
CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 12 of 25 - 02979824.2r



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

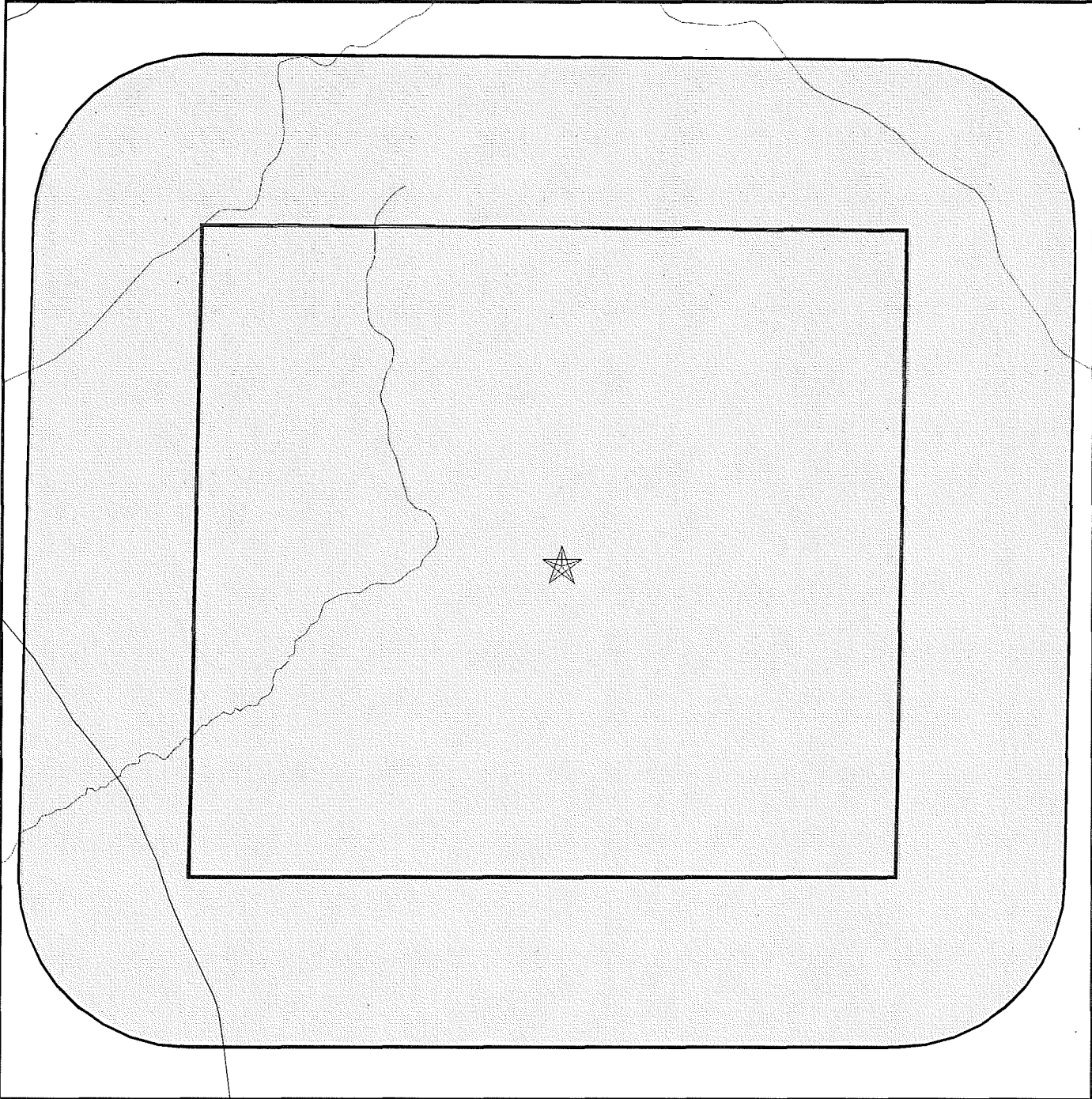
-  Indian Reservations BIA
-  Oil & Gas pipelines










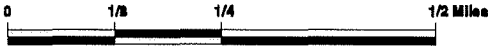
SITE NAME: Dowlip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146



CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 13 of 25 - 02979824.2r



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



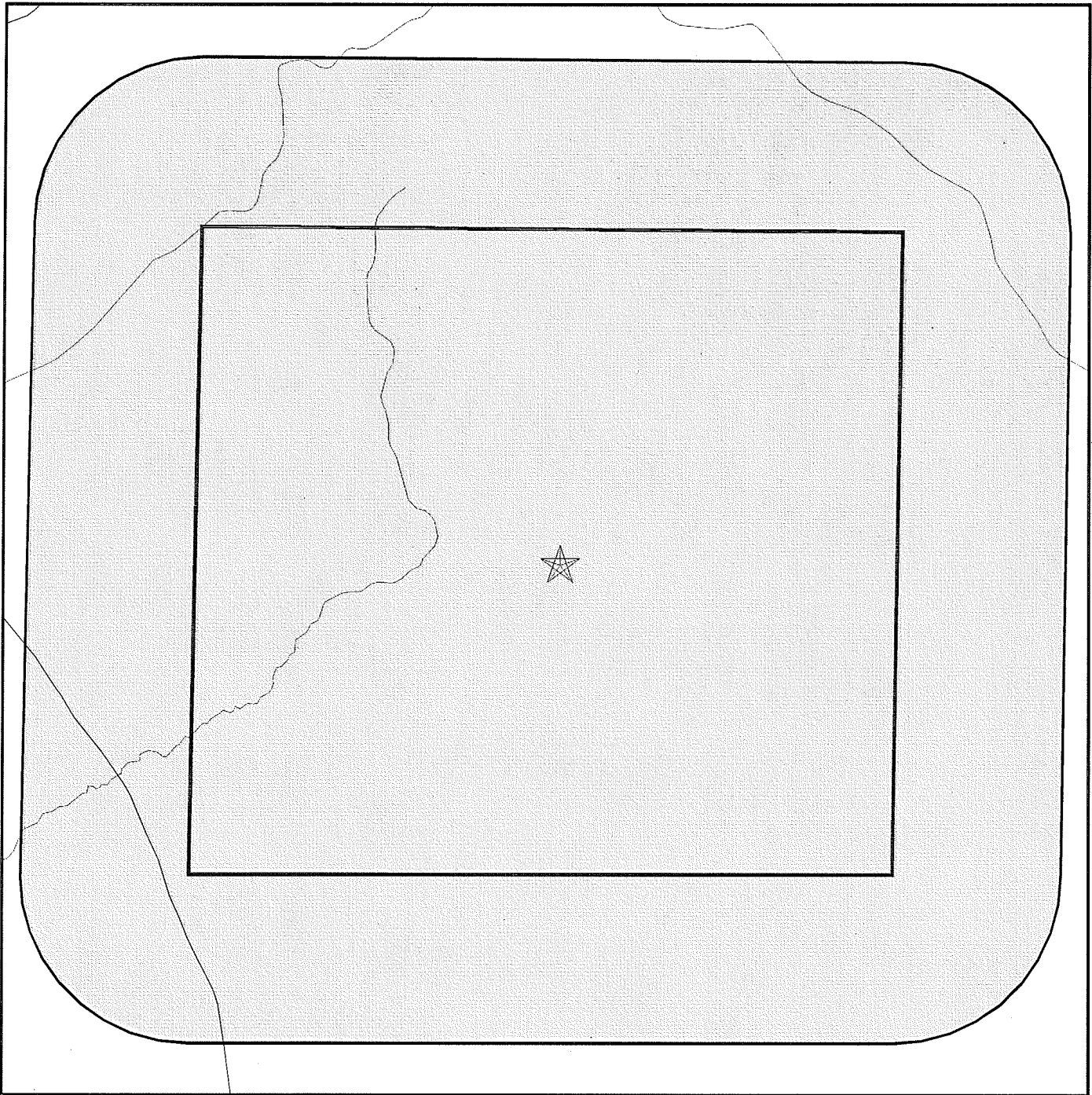
-  **Indian Reservations BIA**
-  **Oil & Gas pipelines**










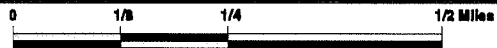
SITE NAME: Downdip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 14 of 25 - 02979824.2r



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



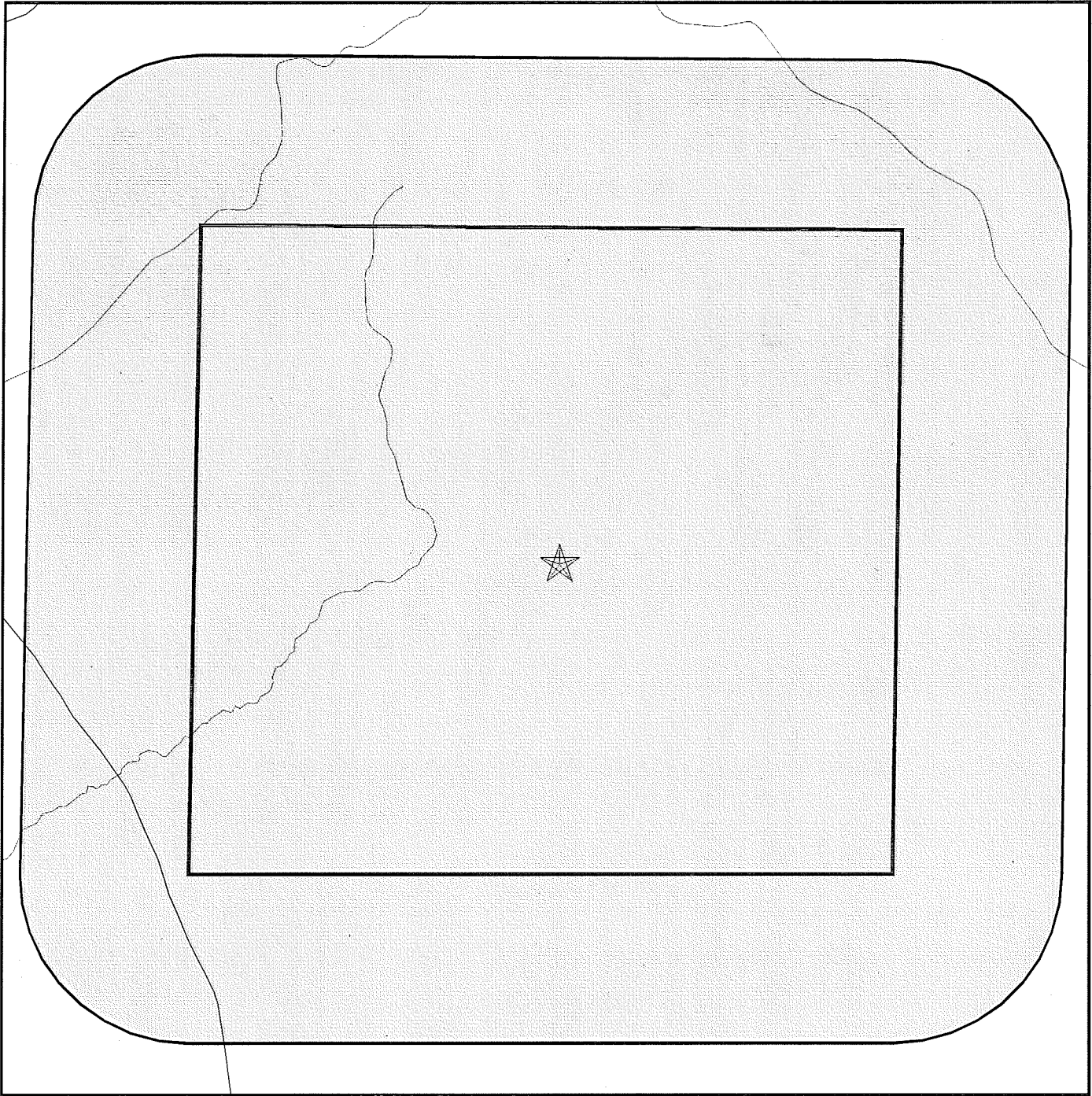
-  Indian Reservations BIA
-  Oil & Gas pipelines










SITE NAME: Dowlndip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146



CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 15 of 25 - 02979824.2r



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

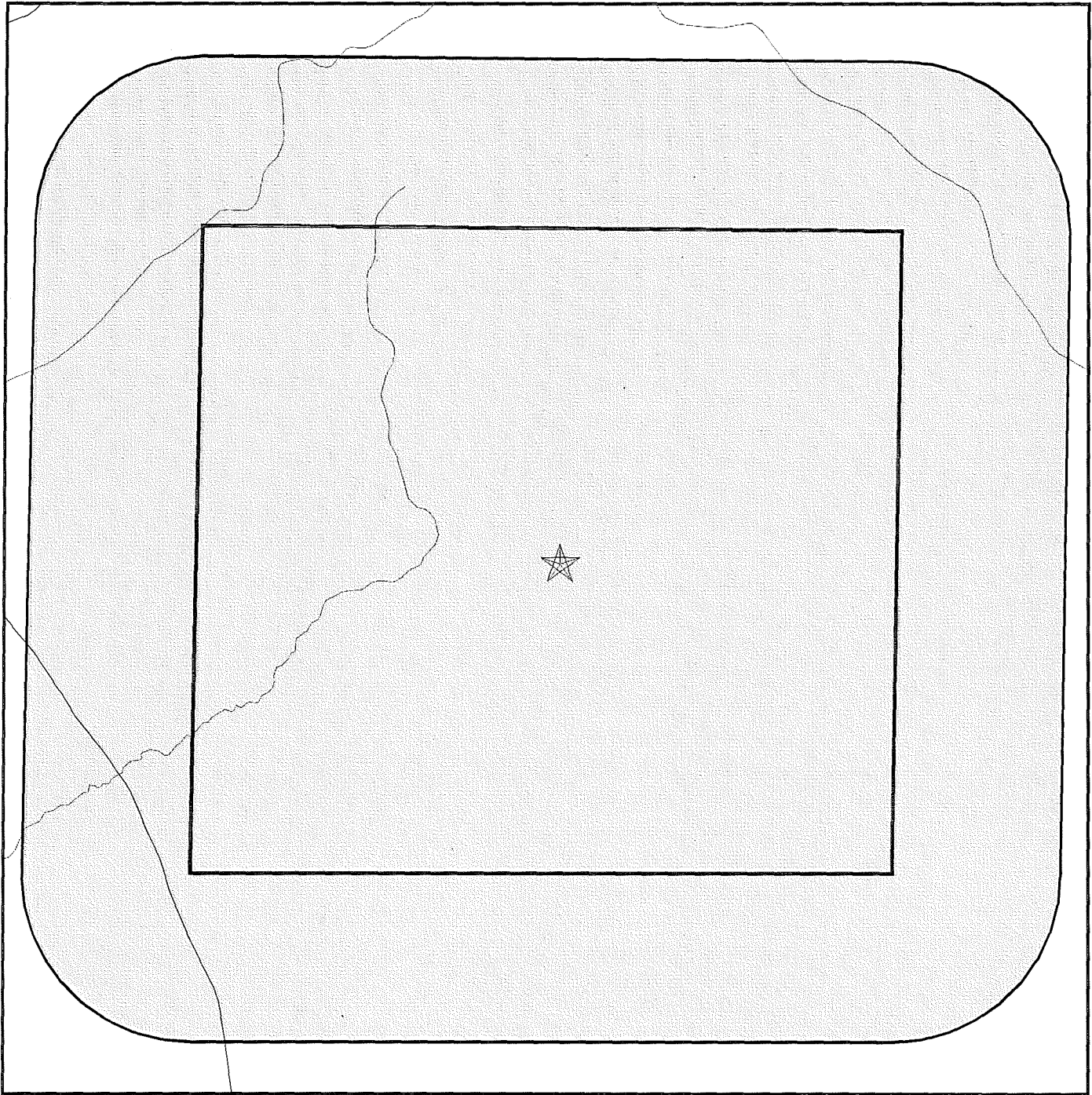









-  Indian Reservations BIA
-  Oil & Gas pipelines

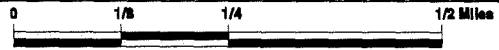




SITE NAME: Dowlndip ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4897 / 109.7146	CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979824.2r DATE: January 31, 2011 7:59 pm
--	---

DETAIL MAP 16 of 25 - 02979824.2r



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



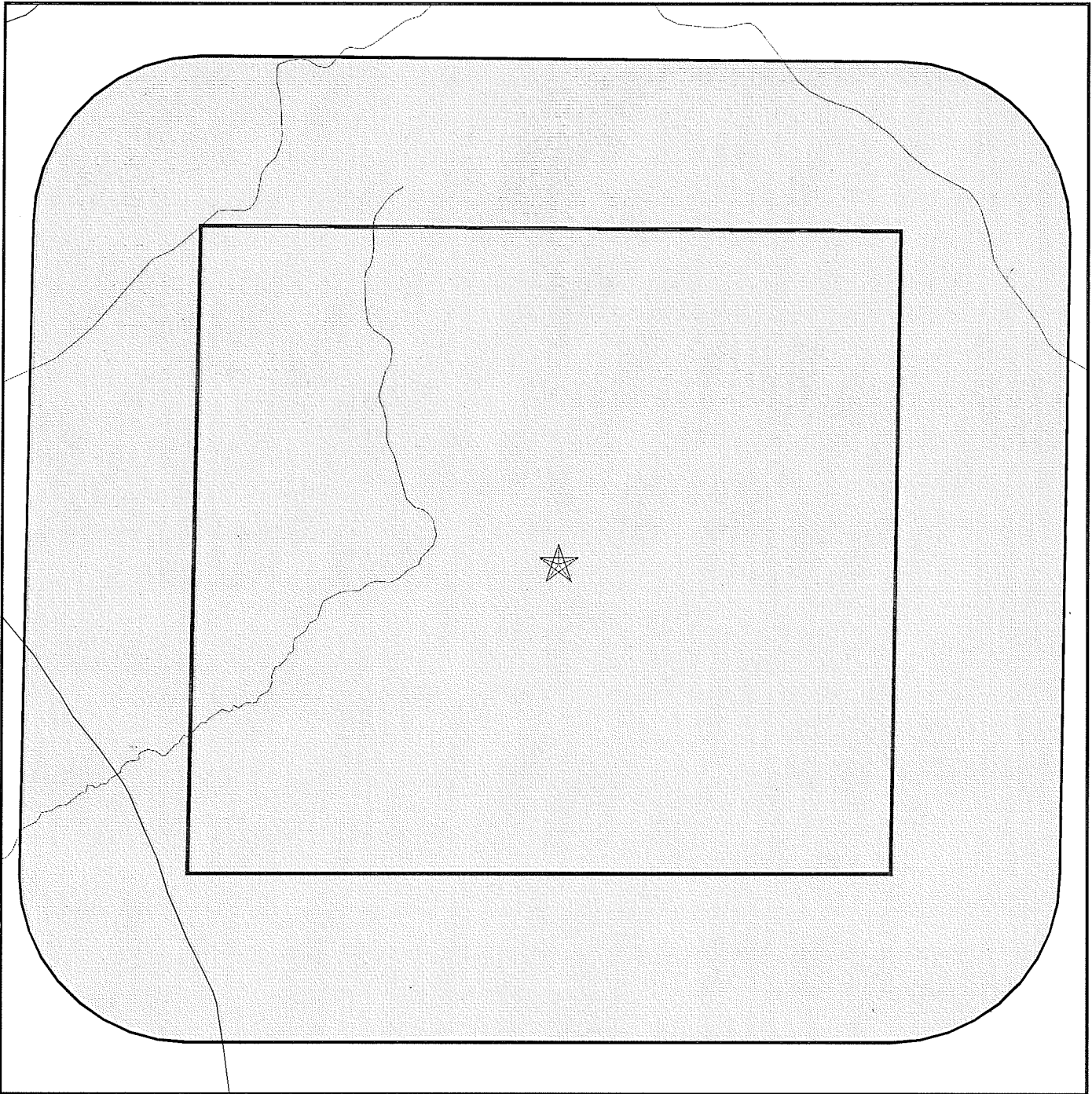
-  Indian Reservations BIA
-  Oil & Gas pipelines










SITE NAME: Dowlip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 17 of 25 - 02979824.2r



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



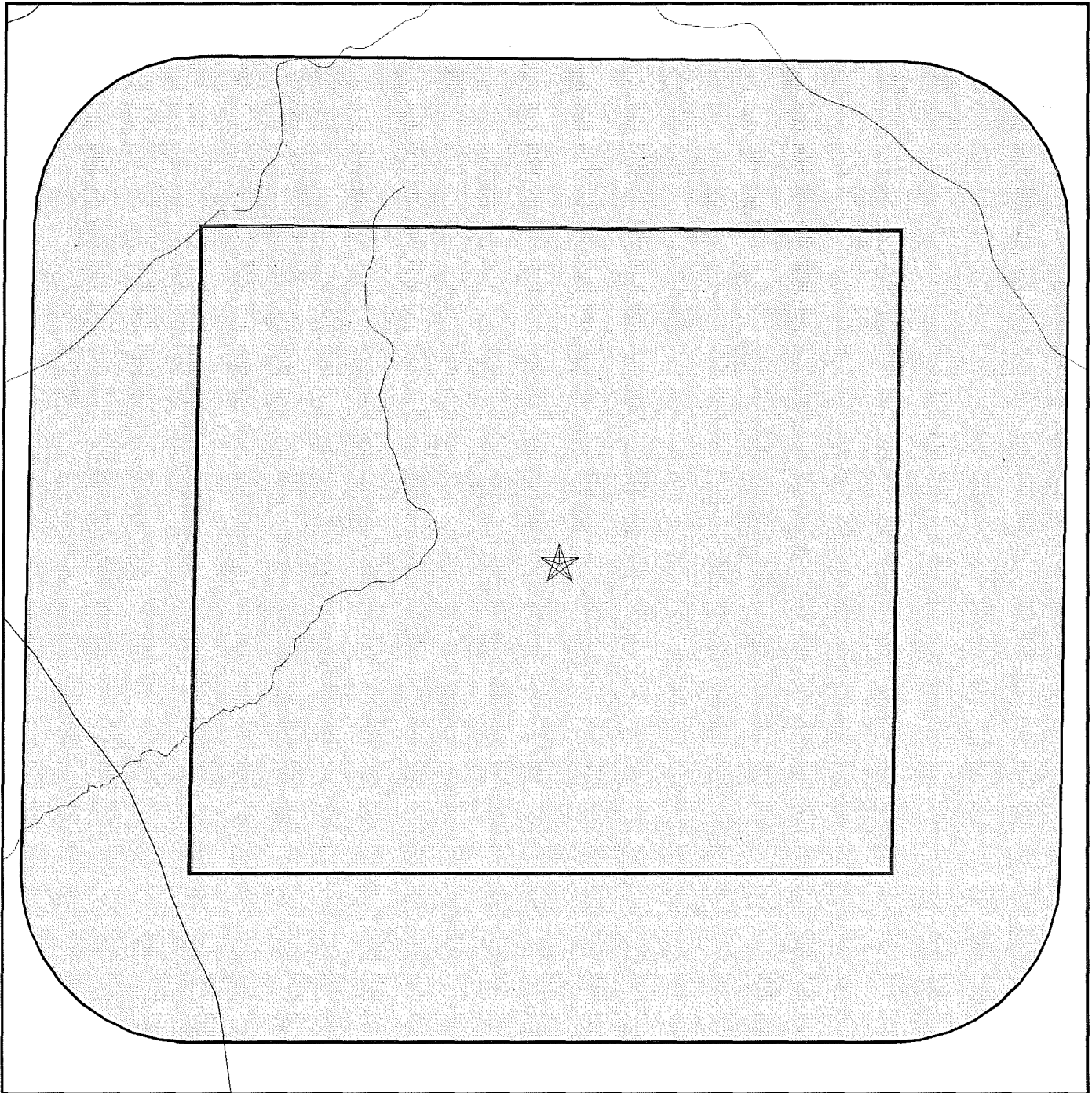
-  Indian Reservations BIA
-  Oil & Gas pipelines










SITE NAME: DOWNDIP
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 18 of 25 - 02979824.2r



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



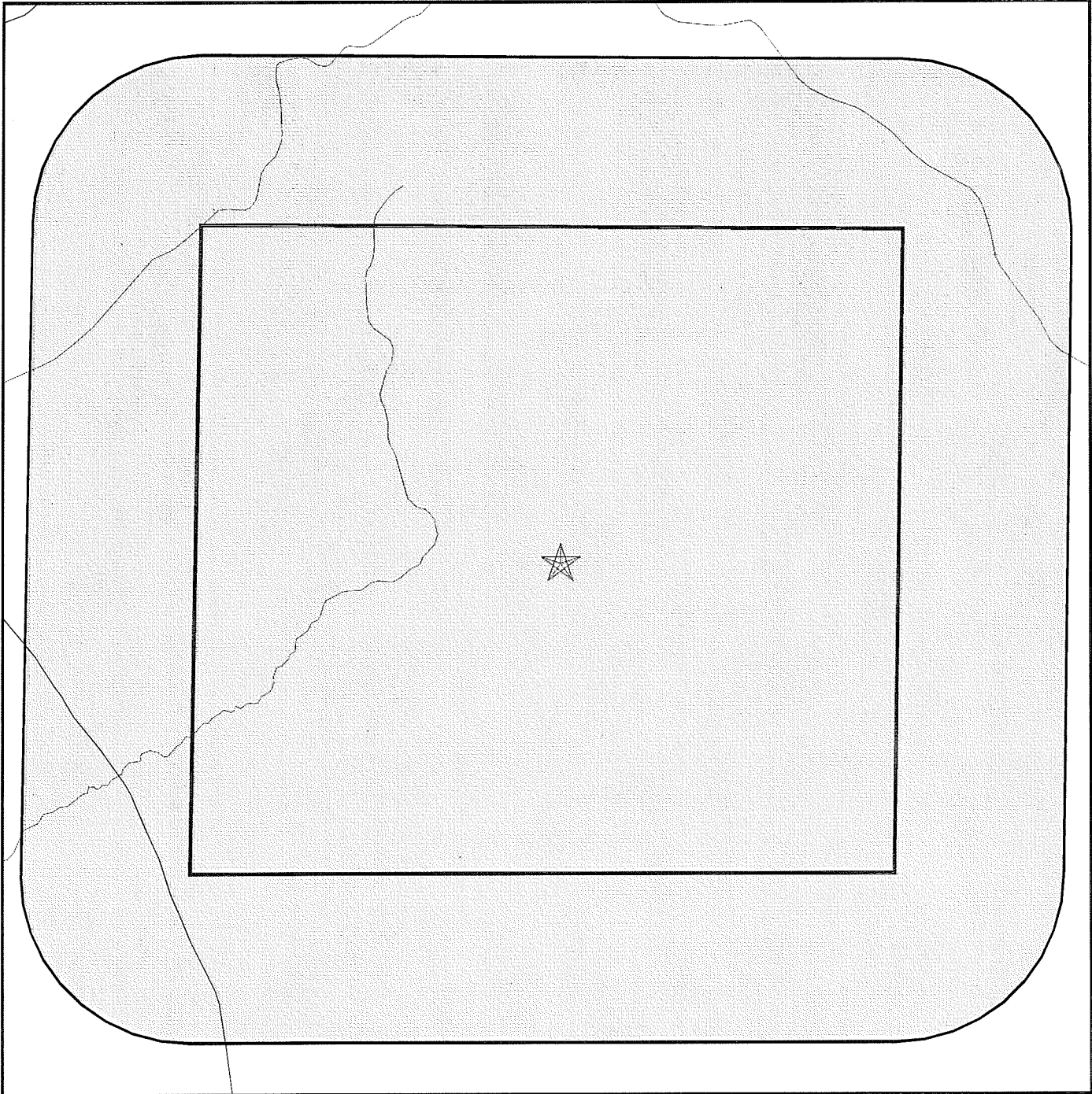
-  Indian Reservations BIA
-  Oil & Gas pipelines










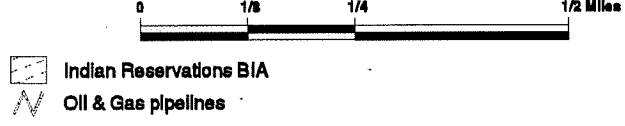
SITE NAME: Dwndip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Hartchandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 19 of 25 - 02979824.2r

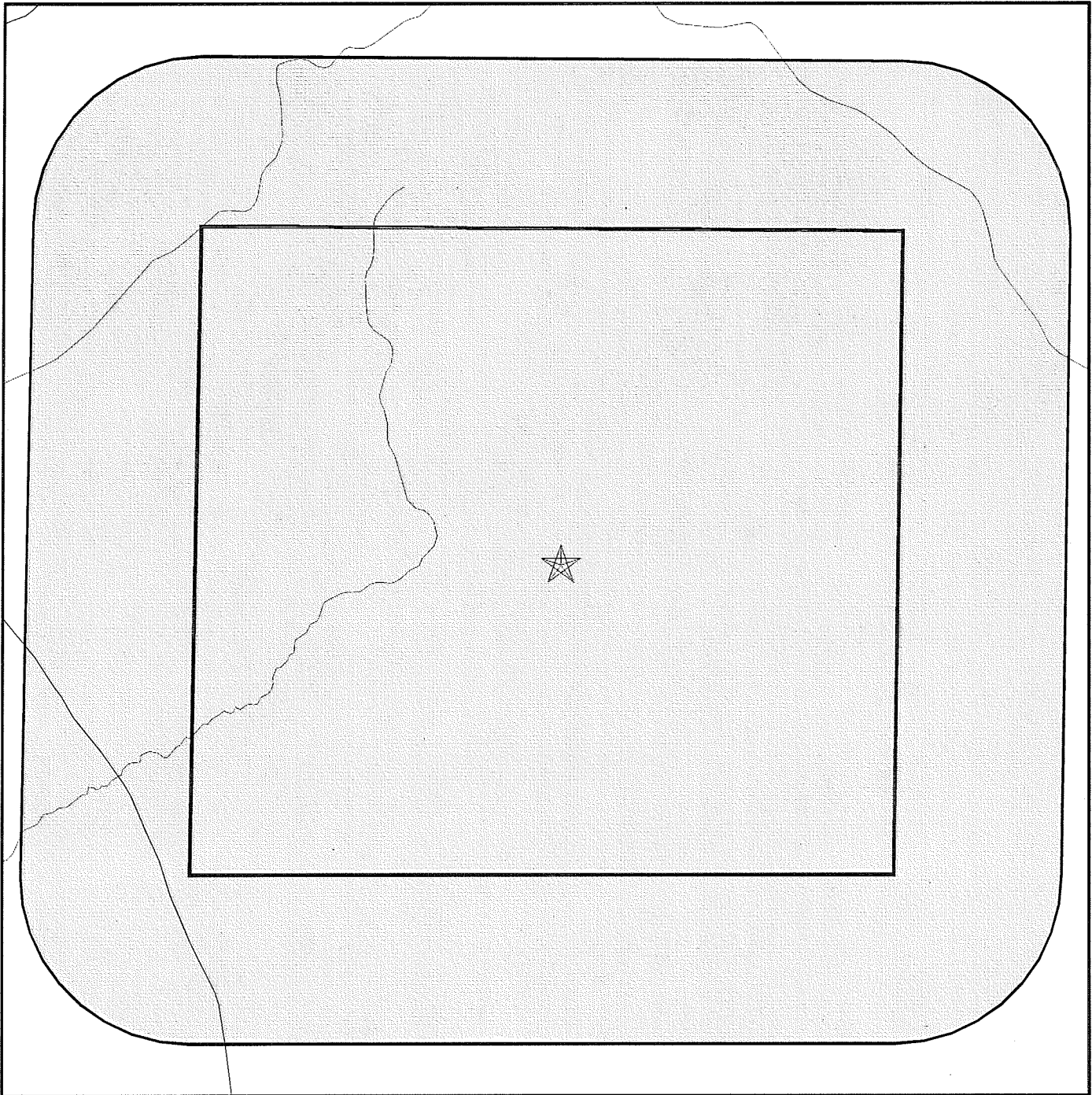









-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

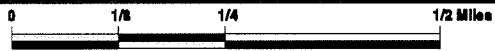


SITE NAME: Dwndlp ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4897 / 109.7146	CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979824.2r DATE: January 31, 2011 7:59 pm
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DETAIL MAP 20 of 25 - 02979824.2r



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



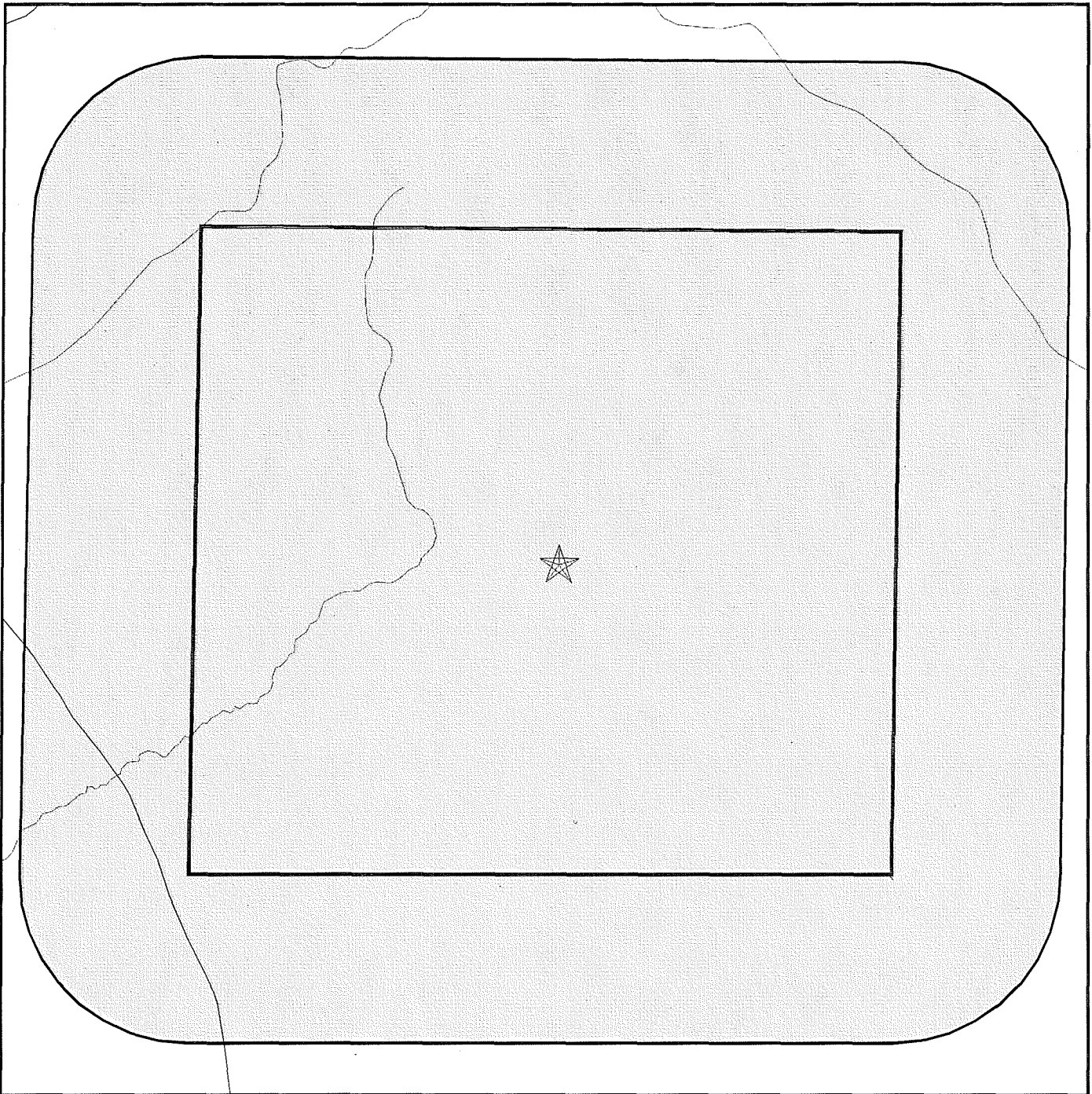
-  Indian Reservations BIA
-  Oil & Gas pipelines





SITE NAME: DOWNDIP
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 21 of 25 - 02979824.2r

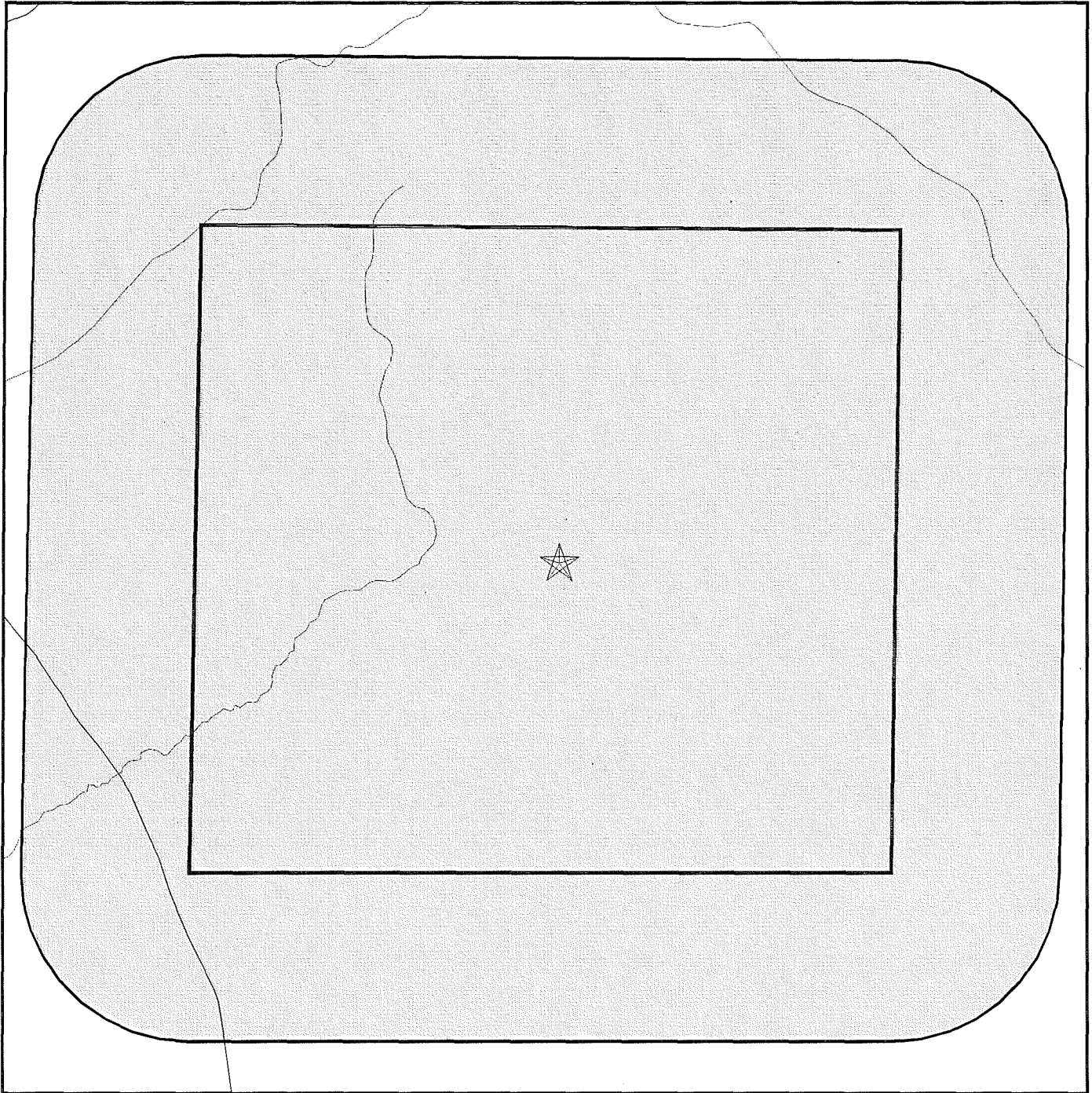









- ∨ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⊖ Sensitive Receptors
- ▨ National Priority List Sites
- ▩ Dept. Defense Sites

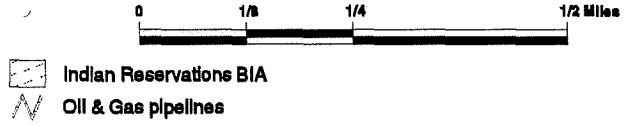
-  Indian Reservations BIA
-  Oil & Gas pipelines

SITE NAME: Dwndip ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4897 / 109.7146	CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979824.2r DATE: January 31, 2011 7:59 pm
--	---

DETAIL MAP 22 of 25 - 02979824.2r



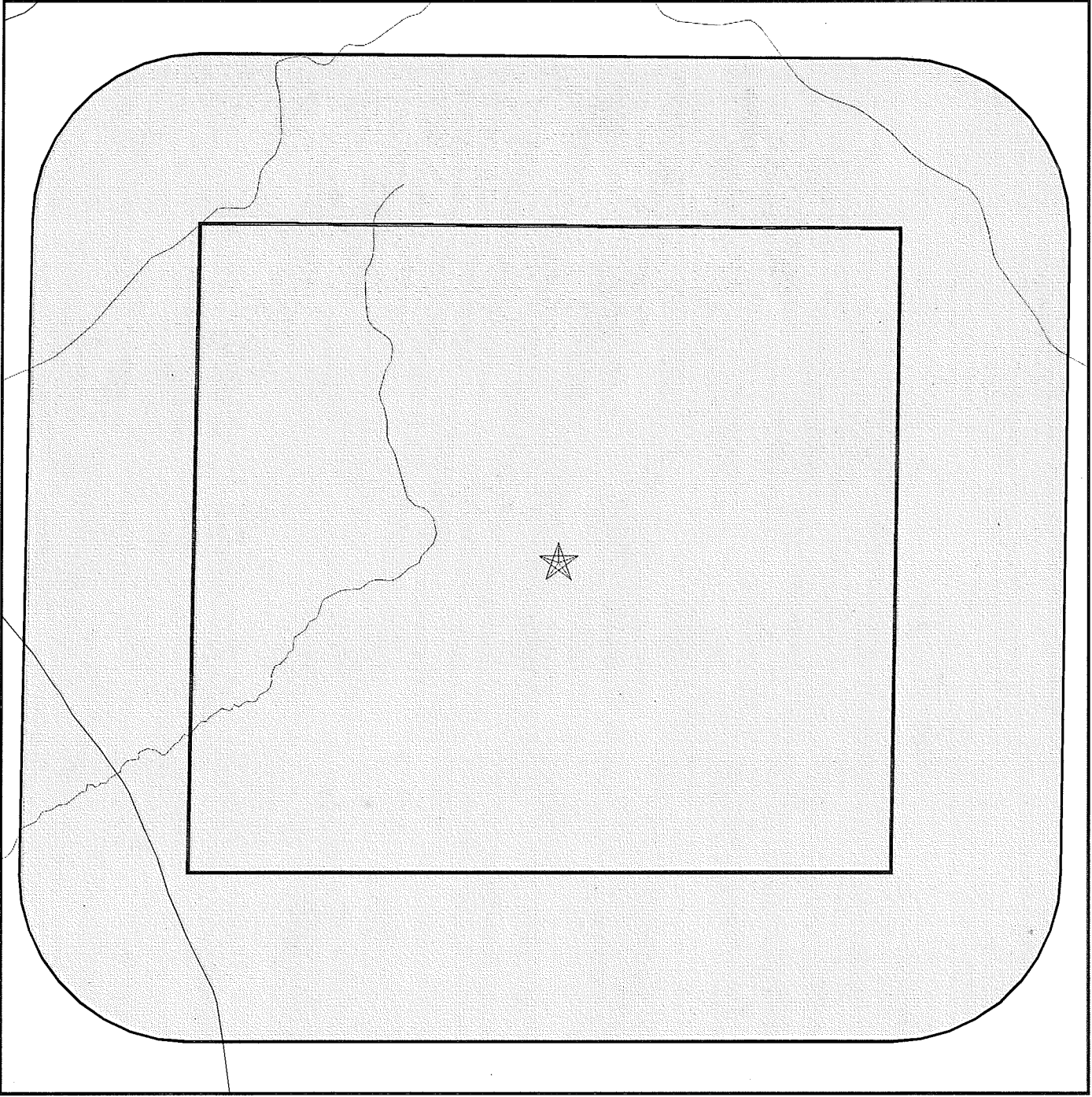
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites










SITE NAME: Dwndip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146



CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 23 of 25 - 02979824.2r



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



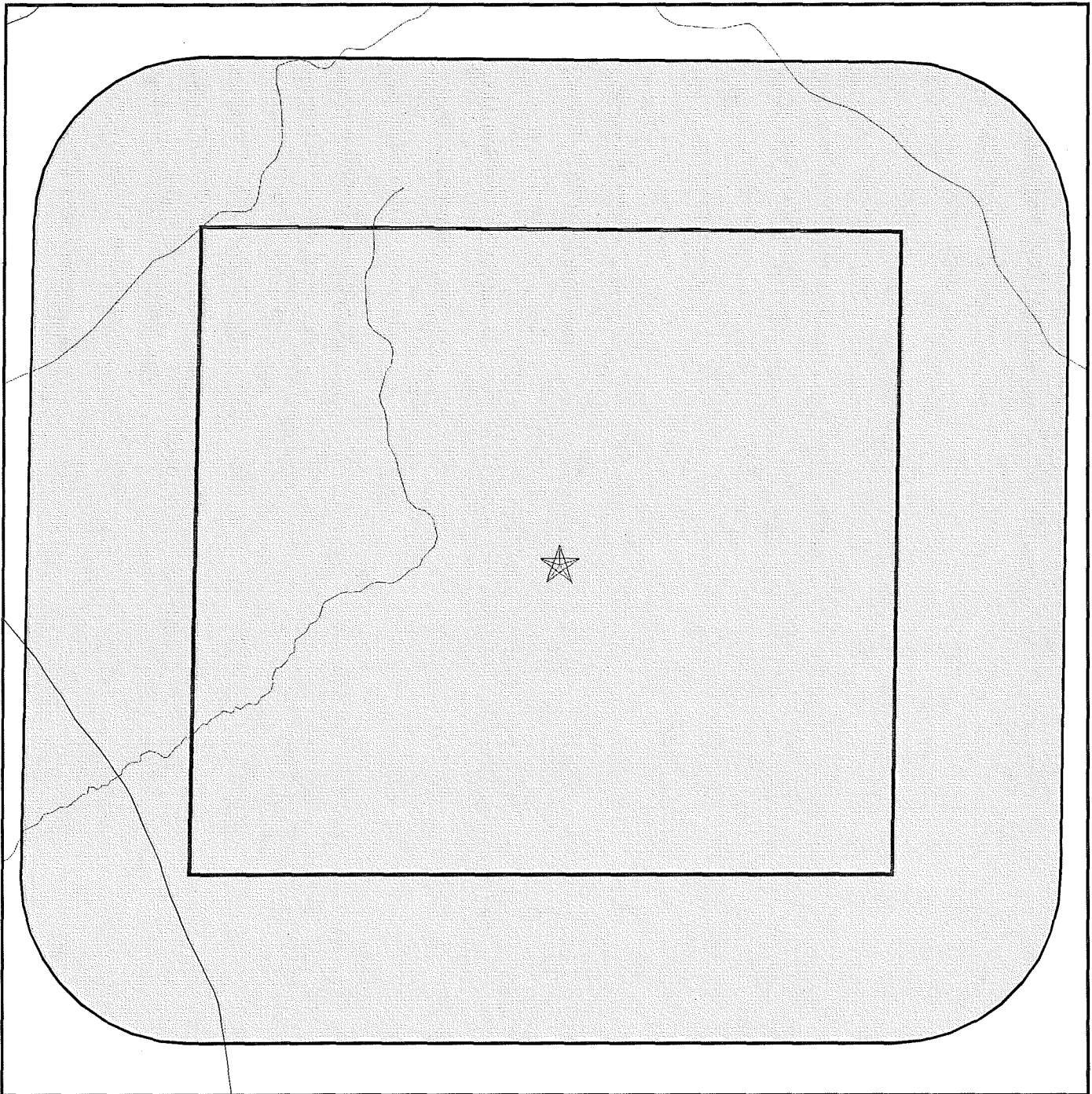
-  Indian Reservations BIA
-  Oil & Gas pipelines










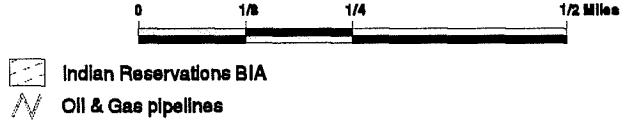
SITE NAME: Downdip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 24 of 25 - 02979824.2r



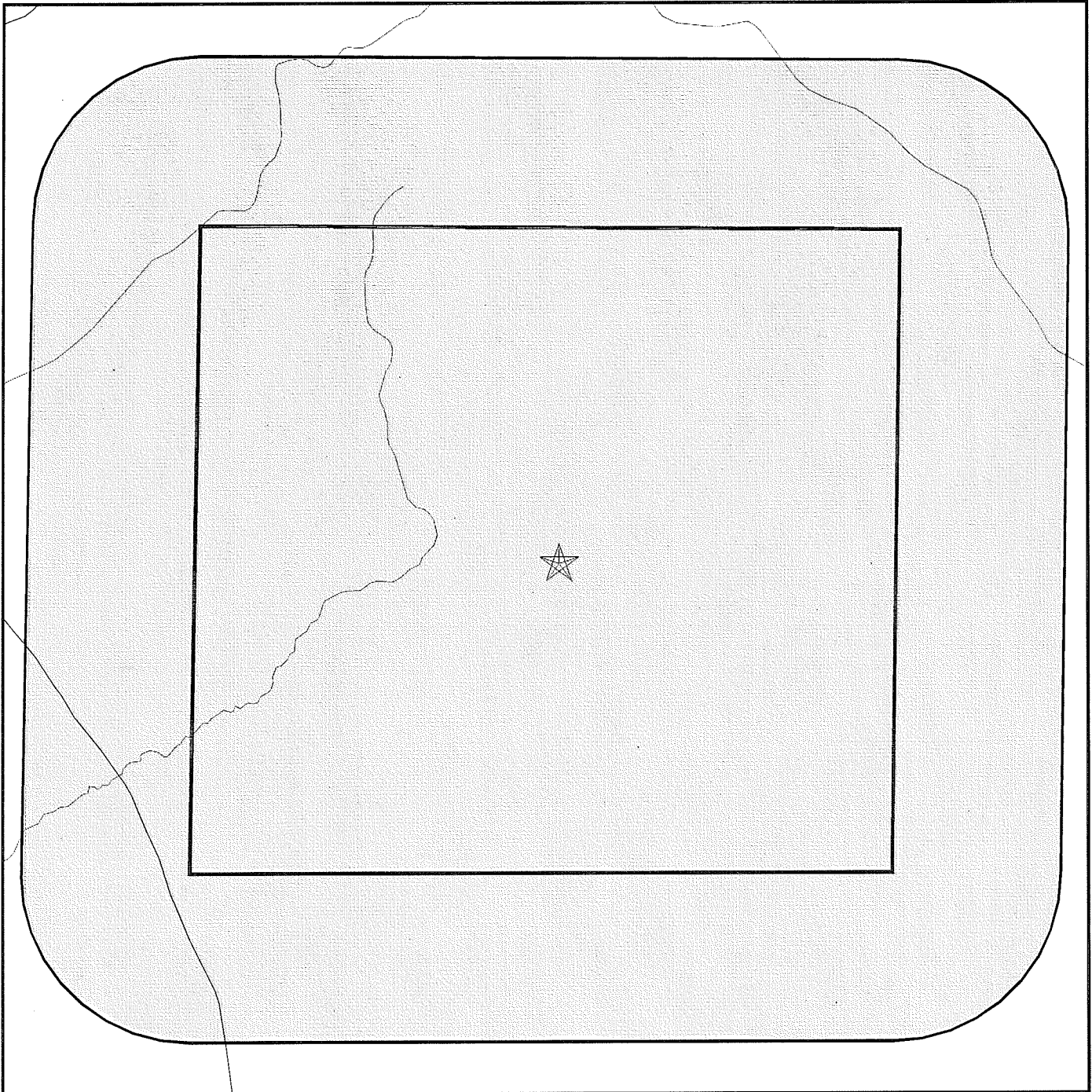
-  **Target Property**
-  **Sites at elevations higher than or equal to the target property**
-  **Sites at elevations lower than the target property**
-  **Manufactured Gas Plants**
-  **Sensitive Receptors**
-  **National Priority List Sites**
-  **Dept. Defense Sites**










SITE NAME: Dwndip
ADDRESS: BLM Road 5410
 Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 pm

DETAIL MAP 25 of 25 - 02979824.2r



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



-  Indian Reservations BIA
-  Oil & Gas pipelines



SITE NAME: Dowlip
ADDRESS: BLM Road 5410
Boulder WY 82923
LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
CONTACT: Sharon Harichandran
INQUIRY #: 02979824.2r
DATE: January 31, 2011 7:59 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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
	NPL	3.000	0	0	0	0	0	0
	Proposed NPL	3.000	0	0	0	0	0	0
	NPL LIENS	2.000	0	0	0	0	0	0
Federal Delisted NPL site list								
	Delisted NPL	3.000	0	0	0	0	0	0
Federal CERCLIS list								
	CERCLIS	2.500	0	0	0	0	0	0
	FEDERAL FACILITY	3.000	0	0	0	0	0	0
Federal CERCLIS NFRAP site List								
	CERC-NFRAP	2.500	0	0	0	0	0	0
Federal RCRA CORRACTS facilities list								
	CORRACTS	3.000	0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
	RCRA-TSDF	2.500	0	0	0	0	0	0
Federal RCRA generators list								
	RCRA-LQG	2.250	0	0	0	0	0	0
	RCRA-SQG	2.250	0	0	0	0	0	0
	RCRA-CESQG	2.250	0	0	0	0	0	0
Federal institutional controls / engineering controls registries								
	US ENG CONTROLS	2.500	0	0	0	0	0	0
	US INST CONTROL	2.500	0	0	0	0	0	0
Federal ERNS list								
	ERNS	2.000	0	0	0	0	0	0
State- and tribal - equivalent CERCLIS								
	SHWS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
State and tribal landfill and/or solid waste disposal site lists								
	SWF/LF	2.500	0	0	0	0	0	0
	SHWF	2.500	0	0	0	0	0	0
State and tribal leaking storage tank lists								
	LTANKS	2.500	0	0	0	0	0	0
	INDIAN LUST	2.500	0	0	0	0	0	0
State and tribal registered storage tank lists								
	TANKS	2.250	0	0	0	0	0	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
UST		2.250	0	0	0	0	0	0
AST		2.250	0	0	0	0	0	0
INDIAN UST		2.250	0	0	0	0	0	0
FEMA UST		2.250	0	0	0	0	0	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS		2.500	0	0	0	0	0	0
INST CONTROL		2.500	0	0	0	0	0	0
State and tribal voluntary cleanup sites								
VCP		2.500	0	0	0	0	0	0
INDIAN VCP		2.500	0	0	0	0	0	0
State and tribal Brownfields sites								
BROWNFIELDS		2.500	0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		2.500	0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		2.500	0	0	0	0	0	0
DEBRIS REGION 9		2.500	0	0	0	0	0	0
SWRCY		2.500	0	0	0	0	0	0
INDIAN ODI		2.500	0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		2.000	0	0	0	0	0	0
CDL		2.000	0	0	0	0	0	0
US HIST CDL		2.000	0	0	0	0	0	0
Local Land Records								
LIENS 2		2.000	0	0	0	0	0	0
LUCIS		2.500	0	0	0	0	0	0
Records of Emergency Release Reports								
HMIRS		2.000	0	0	0	0	0	0
SPILLS		2.000	0	0	0	0	0	0
Other Ascertainable Records								
RCRA-NonGen		2.250	0	0	0	0	0	0
DOT OPS		2.000	0	0	0	0	0	0
DOD		3.000	0	0	0	0	0	0
FUDS		3.000	0	0	0	0	0	0
CONSENT		3.000	0	0	0	0	0	0
ROD		3.000	0	0	0	0	0	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
UMTRA		2.500	0	0	0	0	0	0
MINES		2.250	0	0	0	0	0	0
TRIS		2.000	0	0	0	0	0	0
TSCA		2.000	0	0	0	0	0	0
FTTS		2.000	0	0	0	0	0	0
HIST FTTS		2.000	0	0	0	0	0	0
SSTS		2.000	0	0	0	0	0	0
ICIS		2.000	0	0	0	0	0	0
PADS		2.000	0	0	0	0	0	0
MLTS		2.000	0	0	0	0	0	0
RADINFO		2.000	0	0	0	0	0	0
FINDS		2.000	0	0	0	0	0	0
RAATS		2.000	0	0	0	0	0	0
INDIAN RESERV		3.000	0	0	0	0	0	0
SCRD DRYCLEANERS		2.500	0	0	0	0	0	0
PCB TRANSFORMER		2.000	0	0	0	0	0	0
COAL ASH EPA		2.500	0	0	0	0	0	0
COAL ASH DOE		2.000	0	0	0	0	0	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		3.000	0	0	0	0	0	0
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BOULDER	1011601762	BOULDER STORE	8782 HIGHWAY 191/PO BOX 25	82923	ICIS
BOULDER	S110358731	NEWARK BOULDER PCS FACILITY (50.5	SAND DRAW INDUSTRIAL PARK	82923	SWF/LF
CALPET	1003877634	TEXACO, CALPET	2 MILES W OF LA BARGE ON RTE 2	82923	CERC-NFRAP
CALPET	1003041685	BLM-BIRCH CREEK SITE	STATE RT.235 AT CALPET	82923	CERC-NFRAP
SUBLETTE	1003041689	BLM-BOULDER LANDFILL	WYOMING STATE RT 23-106	82923	CERC-NFRAP

Exhibit No. _____ (BJC-6T)
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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/22/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

Federal CERCLIS list

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: 09/30/2010	Source: EPA
Date Data Arrived at EDR: 10/01/2010	Telephone: 703-412-9810
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/30/2010
Number of Days to Update: 119	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 01/11/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

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: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 12/01/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2010
 Date Data Arrived at EDR: 06/02/2010
 Date Made Active in Reports: 10/04/2010
 Number of Days to Update: 124

Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 11/22/2010
 Next Scheduled EDR Contact: 02/28/2011
 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list**RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

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

Date of Government Version: 02/17/2010
 Date Data Arrived at EDR: 02/19/2010
 Date Made Active in Reports: 05/17/2010
 Number of Days to Update: 87

Source: Environmental Protection Agency
 Telephone: 303-312-6149
 Last EDR Contact: 01/06/2011
 Next Scheduled EDR Contact: 04/18/2011
 Data Release Frequency: Quarterly

Federal RCRA generators list**RCRA-LQG: RCRA - Large Quantity Generators**

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

Date of Government Version: 02/17/2010
 Date Data Arrived at EDR: 02/19/2010
 Date Made Active in Reports: 05/17/2010
 Number of Days to Update: 87

Source: Environmental Protection Agency
 Telephone: 303-312-6149
 Last EDR Contact: 01/06/2011
 Next Scheduled EDR Contact: 04/18/2011
 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 02/17/2010
 Date Data Arrived at EDR: 02/19/2010
 Date Made Active in Reports: 05/17/2010
 Number of Days to Update: 87

Source: Environmental Protection Agency
 Telephone: 303-312-6149
 Last EDR Contact: 01/06/2011
 Next Scheduled EDR Contact: 04/18/2011
 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 02/17/2010
 Date Data Arrived at EDR: 02/19/2010
 Date Made Active in Reports: 05/17/2010
 Number of Days to Update: 87

Source: Environmental Protection Agency
 Telephone: 303-312-6149
 Last EDR Contact: 01/06/2011
 Next Scheduled EDR Contact: 04/18/2011
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/10/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2011
	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: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/10/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 01/07/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

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

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

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: N/A	Telephone: 307-777-7752
Date Made Active in Reports: N/A	Last EDR Contact: 11/29/2010
Number of Days to Update: N/A	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: N/A

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

SWF/LF: Solid Waste Facility Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/17/2010
Date Data Arrived at EDR: 12/20/2010
Date Made Active in Reports: 01/21/2011
Number of Days to Update: 32

Source: Department of Environmental Quality
Telephone: 307-777-7752
Last EDR Contact: 12/17/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Varies

SHWF: Solid & Hazardous Waste Facility Database
A listing of Solid and Hazardous waste facility locations in the state.

Date of Government Version: 12/17/2010
Date Data Arrived at EDR: 12/20/2010
Date Made Active in Reports: 01/21/2011
Number of Days to Update: 32

Source: Department of Environmental Quality
Telephone: 307-777-7752
Last EDR Contact: 12/17/2011
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LTANKS: Known Contaminated Sites
Leaking storage tank sites.

Date of Government Version: 08/02/2010
Date Data Arrived at EDR: 08/19/2010
Date Made Active in Reports: 08/24/2010
Number of Days to Update: 5

Source: Department of Environmental Quality
Telephone: 307-777-7781
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Annually

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: 11/19/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
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: 11/12/2010
Date Data Arrived at EDR: 11/12/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 77

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/04/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010	Source: EPA Region 4
Date Data Arrived at EDR: 08/30/2010	Telephone: 404-562-8677
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Semi-Annually

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: 11/16/2010	Source: EPA Region 8
Date Data Arrived at EDR: 11/19/2010	Telephone: 303-312-6271
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/16/2011
	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: 11/04/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/04/2010	Telephone: 913-551-7003
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

State and tribal registered storage tank lists

TANKS: Storage Tank Listing

A listing of aboveground and underground storage tank locations.

Date of Government Version: 10/22/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 01/19/2011	Telephone: 307-777-7752
Date Made Active in Reports: 01/26/2011	Last EDR Contact: 01/19/2011
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Varies

UST: Underground Storage Tanks

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

Date of Government Version: 05/23/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/24/2008	Telephone: 307-777-7781
Date Made Active in Reports: 08/12/2008	Last EDR Contact: 01/17/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

AST: Wyoming Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 05/23/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/24/2008	Telephone: 307-777-7781
Date Made Active in Reports: 08/13/2008	Last EDR Contact: 01/17/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/19/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 12/02/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 57

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/10/2010
Date Data Arrived at EDR: 12/01/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 58

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/16/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/2010 Source: EPA Region 5
Date Data Arrived at EDR: 02/11/2010 Telephone: 312-886-6136
Date Made Active in Reports: 04/12/2010 Last EDR Contact: 01/31/2011
Number of Days to Update: 60 Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/12/2010 Source: EPA Region 10
Date Data Arrived at EDR: 11/12/2010 Telephone: 206-553-2857
Date Made Active in Reports: 01/28/2011 Last EDR Contact: 01/31/2011
Number of Days to Update: 77 Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Source: FEMA
Date Data Arrived at EDR: 02/16/2010 Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010 Last EDR Contact: 01/17/2011
Number of Days to Update: 55 Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

A listing of sites with engineering controls in place.

Date of Government Version: 09/08/2009 Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/08/2009 Telephone: 307-777-5547
Date Made Active in Reports: 09/30/2009 Last EDR Contact: 11/29/2010
Number of Days to Update: 22 Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Quarterly

INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program sites with institutional Controls in place.

Date of Government Version: 11/02/2010 Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/02/2010 Telephone: 307-777-7752
Date Made Active in Reports: 12/10/2010 Last EDR Contact: 11/30/2010
Number of Days to Update: 8 Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

VCP: List of Voluntary Remediation Program Sites

A listing of sites participating in the Voluntary Remediation Program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2021
Date Data Arrived at EDR: 12/02/2010
Date Made Active in Reports: 12/10/2010
Number of Days to Update: 8

Source: Department of Environmental Quality
Telephone: 307-777-5447
Last EDR Contact: 11/30/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/05/2010
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

A listing of Brownfields sites locations. Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 12/02/2010
Date Made Active in Reports: 12/10/2010
Number of Days to Update: 8

Source: Department of Environmental Quality
Telephone: 307-777-7752
Last EDR Contact: 11/30/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA, Region 9
 Telephone: 415-947-4219
 Last EDR Contact: 12/22/2010
 Next Scheduled EDR Contact: 04/11/2011
 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

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

SWRCY: Recycling Facilities

A listing of recycling facility locations.

Date of Government Version: 09/30/2009
 Date Data Arrived at EDR: 11/02/2009
 Date Made Active in Reports: 11/25/2009
 Number of Days to Update: 23

Source: Department of Environmental Quality
 Telephone: 307-777-7752
 Last EDR Contact: 12/14/2011
 Next Scheduled EDR Contact: 03/21/2011
 Data Release Frequency: Annually

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
 Telephone: 703-308-8245
 Last EDR Contact: 11/09/2010
 Next Scheduled EDR Contact: 02/21/2011
 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/07/2010
 Date Data Arrived at EDR: 06/18/2010
 Date Made Active in Reports: 08/17/2010
 Number of Days to Update: 60

Source: Drug Enforcement Administration
 Telephone: 202-307-1000
 Last EDR Contact: 12/08/2010
 Next Scheduled EDR Contact: 03/21/2011
 Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Site Locations

Information collected by the Wyoming Department of Health concerning Drug Lab Sites.

Date of Government Version: 06/02/2010
 Date Data Arrived at EDR: 07/08/2010
 Date Made Active in Reports: 07/28/2010
 Number of Days to Update: 20

Source: Department of Health
 Telephone: 307-777-8736
 Last EDR Contact: 12/13/2010
 Next Scheduled EDR Contact: 03/28/2011
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 05/06/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 90	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/22/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 04/06/2010	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/07/2010	Telephone: 202-366-4555
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 01/05/2011
Number of Days to Update: 50	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Annually

SPILLS: SPILL Database

Spills reported to the Department of Environmental Quality

Date of Government Version: 11/23/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 01/14/2011	Telephone: 307-777-7783
Date Made Active in Reports: 01/21/2011	Last EDR Contact: 11/22/2010
Number of Days to Update: 7	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Varies

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: RCRA - Non Generators

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

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: 303-312-6149
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 01/06/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 11/09/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/21/2011
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/21/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/13/2010
Number of Days to Update: 112	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 10/01/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 10/29/2010	Telephone: Varies
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/03/2011
Number of Days to Update: 91	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 06/01/2010	Source: EPA
Date Data Arrived at EDR: 06/16/2010	Telephone: 703-416-0223
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 12/10/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 12/14/2009	Source: Department of Energy
Date Data Arrived at EDR: 09/29/2010	Telephone: 505-845-0011
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 11/29/2010
Number of Days to Update: 5	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Varies

MINES: Mines Master Index File

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

Date of Government Version: 08/04/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/09/2010	Telephone: 303-231-5959
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/21/2011
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 12/17/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/29/2010
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/29/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/29/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 04/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2010	Telephone: 202-564-5088
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 12/23/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 02/01/2010	Source: EPA
Date Data Arrived at EDR: 04/22/2010	Telephone: 202-566-0500
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/21/2011
Number of Days to Update: 109	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/18/2010	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/06/2010	Telephone: 301-415-7169
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/13/2010
Number of Days to Update: 51	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 07/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/13/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (303) 312-6312
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/10/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

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

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 11/30/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/21/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 08/31/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/01/2010	Telephone: 615-532-8599
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 01/24/2011
Number of Days to Update: 92	Next Scheduled EDR Contact: 05/09/2011
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/21/2011
Number of Days to Update: 339	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: N/A

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 11/09/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2009	Telephone: N/A
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 12/21/2010
Number of Days to Update: 54	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/18/2011
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 01/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 11/10/2010
Number of Days to Update: 100	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

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 (oil waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

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

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: 10/28/2010
Date Data Arrived at EDR: 11/09/2010
Date Made Active in Reports: 12/17/2010
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
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: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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: Day Care Provider List

Source: Department of Family Services

Telephone: 307-777-6595

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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

DOWNDIP
BLM ROAD 5410
BOULDER, WY 82923

TARGET PROPERTY COORDINATES

Latitude (North): 42.48970 - 42° 29' 22.9"
Longitude (West): 109.7146 - 109° 42' 52.6"
Universal Transverse Mercator: Zone 12
UTM X (Meters): 605637.4
UTM Y (Meters): 4704735.5
Elevation: 7204 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 42109-D6 STUD HORSE BUTTE, WY
Most Recent Revision: 1969

North Map: 42109-E6 GOBBLERS KNOB, WY
Most Recent Revision: 1980

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).

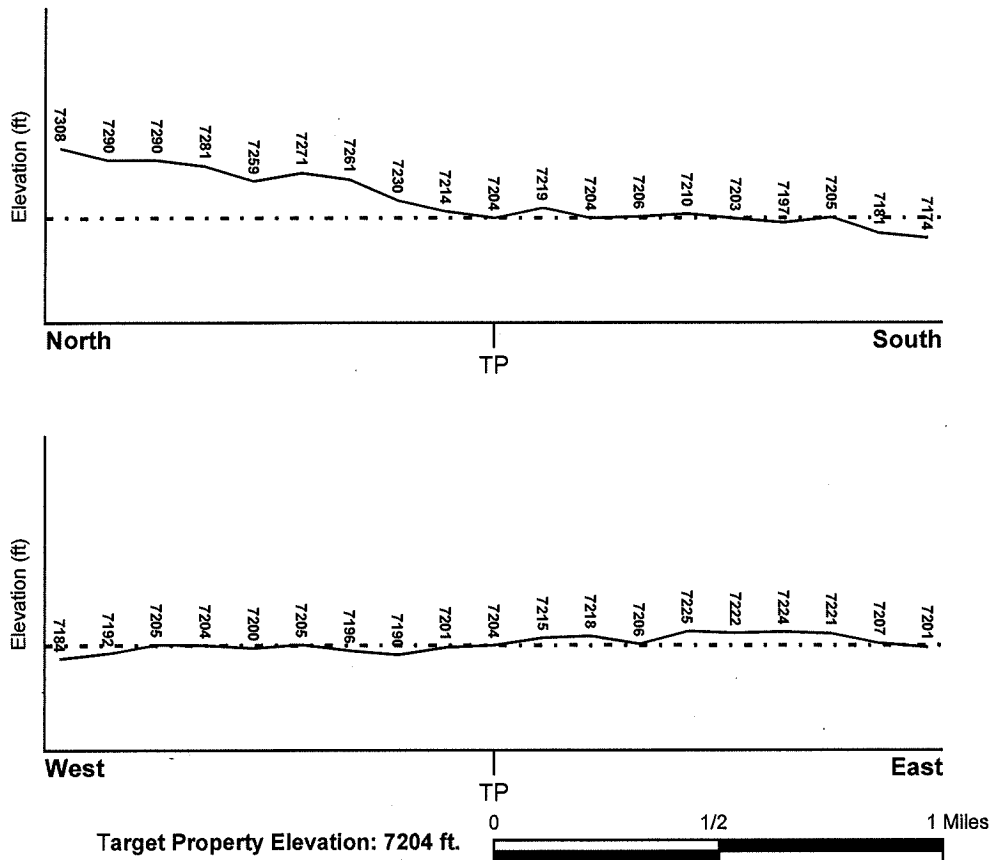
TOPOGRAPHIC INFORMATION

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 SW

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> SUBLETTE, WY	FEMA Flood <u>Electronic Data</u> Not Available
Flood Plain Panel at Target Property:	Not Reported
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> STUD HORSE BUTTE	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Tertiary
Series: Eocene
Code: Tec (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: TEAGULF

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Well drained. 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: > 20 inches

Depth to Bedrock Max: > 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	3 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.40
2	3 inches	10 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.40
3	10 inches	35 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 9.00 Min: 7.90
4	35 inches	39 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: channery - sandy loam
 loam
 sandy loam
 fine sand
 unweathered bedrock

Surficial Soil Types: channery - sandy loam
 loam
 sandy loam
 fine sand
 unweathered bedrock

Shallow Soil Types: very channery - sandy loam
 loam
 sandy clay loam

Deeper Soil Types: sandy clay loam
 loamy fine sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	3.000
Federal FRDS PWS	Nearest PWS within 2.000 miles
State Database	3.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C14	USGS3013923	1 - 2 Miles SSW
E17	USGS3013928	1 - 2 Miles WNW
N45	USGS3013921	2 - 3 Miles ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

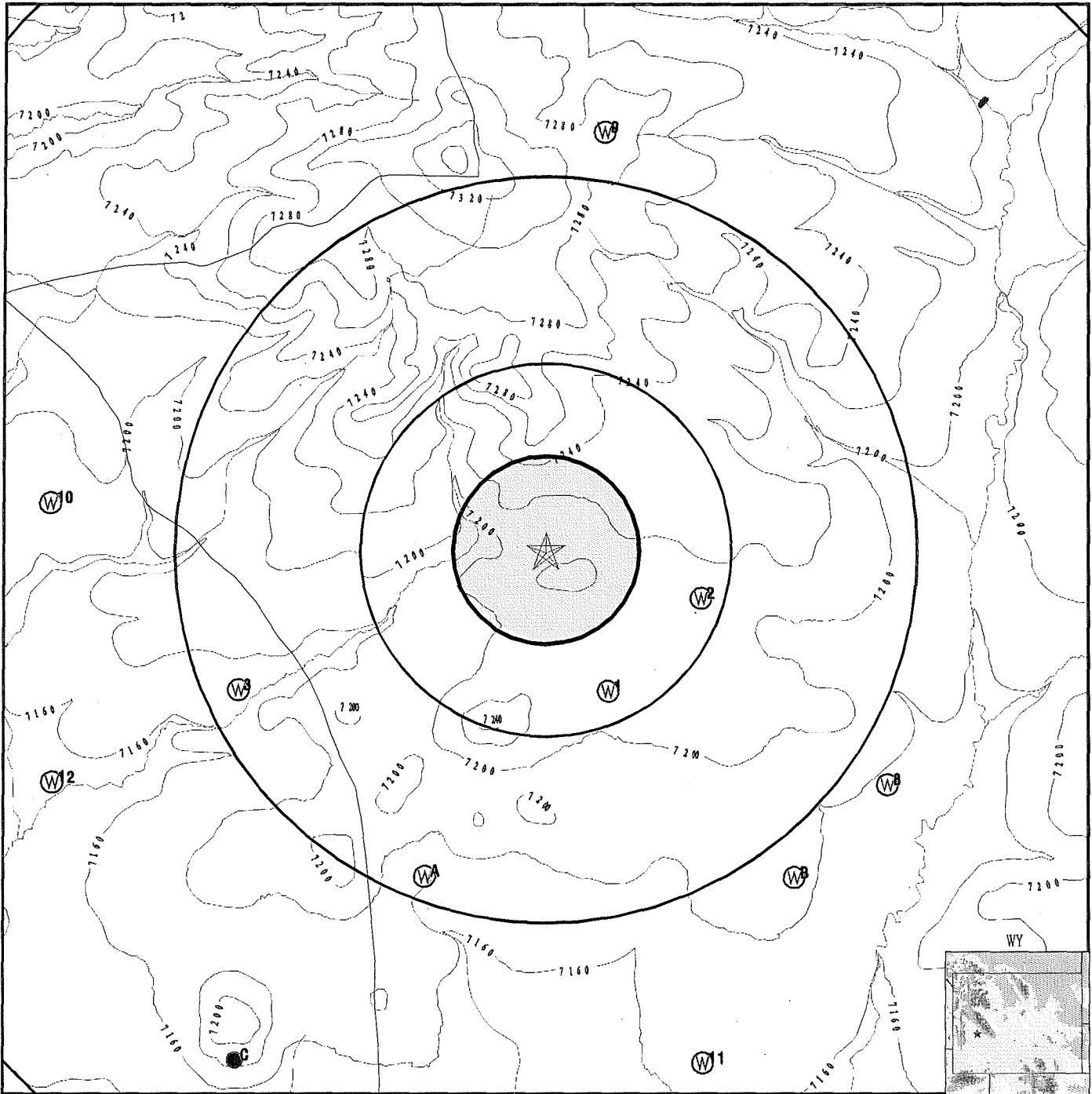
STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	WYSE30000041254	1/4 - 1/2 Mile SSE
2	WYSE30000041318	1/4 - 1/2 Mile ESE
3	WYSE30000041255	1/2 - 1 Mile WSW
A4	WYSE30000041155	1/2 - 1 Mile SSW
A5	WYSE30000041154	1/2 - 1 Mile SSW
B6	WYSE30000041152	1 - 2 Miles SE
B7	WYSE30000041153	1 - 2 Miles SE
8	WYSE30000041218	1 - 2 Miles SE
9	WYSE30000041820	1 - 2 Miles North
10	WYSE30000041417	1 - 2 Miles West
11	WYSE30000041014	1 - 2 Miles SSE
12	WYSE30000041219	1 - 2 Miles WSW
C13	WYSE30000041015	1 - 2 Miles SSW
D15	WYSE30000040941	1 - 2 Miles South
D16	WYSE30000040940	1 - 2 Miles South
E18	WYSE30000041647	1 - 2 Miles WNW
F19	WYSE30000041633	1 - 2 Miles ENE
F20	WYSE30000041634	1 - 2 Miles ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

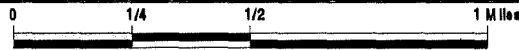
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F21	WYSE30000041635	1 - 2 Miles ENE
G22	WYSE30000041085	1 - 2 Miles SE
G23	WYSE30000041084	1 - 2 Miles SE
24	WYSE30000040884	1 - 2 Miles South
25	WYSE30000040944	1 - 2 Miles SSW
H26	WYSE30000040883	1 - 2 Miles SSE
H27	WYSE30000040882	1 - 2 Miles SSE
28	WYSE30000041149	2 - 3 Miles ESE
29	WYSE30000041087	2 - 3 Miles WSW
I30	WYSE30000040886	2 - 3 Miles SSW
I31	WYSE30000040885	2 - 3 Miles SSW
J32	WYSE30000040939	2 - 3 Miles SE
J33	WYSE30000040938	2 - 3 Miles SE
K34	WYSE30000040881	2 - 3 Miles SSE
K35	WYSE30000040880	2 - 3 Miles SSE
K36	WYSE30000040879	2 - 3 Miles SSE
L37	WYSE30000040945	2 - 3 Miles SW
L38	WYSE30000040943	2 - 3 Miles SW
39	WYSE30000041016	2 - 3 Miles WSW
40	WYSE30000040727	2 - 3 Miles South
41	WYSE30000041257	2 - 3 Miles West
M42	WYSE30000040678	2 - 3 Miles South
M43	WYSE30000040679	2 - 3 Miles South
N44	WYSE30000040937	2 - 3 Miles SE
O46	WYSE30000040725	2 - 3 Miles SSE
O47	WYSE30000040724	2 - 3 Miles SSE



- ↘ 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: Dowlip
 ADDRESS: BLM Road 5410
 Boulder WY 82923
 LAT/LONG: 42.4897 / 109.7146

CLIENT: Environ Corporation
 CONTACT: Sharon Harichandran
 INQUIRY #: 02979824.2r
 DATE: January 31, 2011 7:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
1	SSE			WY WELLS	WYSE30000041254
	1/4 - 1/2 Mile Higher				
Fid 1:	0				
Permit :	40/9/555W	Priority:		02/19/2008	
Status :	UNA				
Township:	29				
Tns suffix:	N				
Range:	108				
Rng suffix:	W				
Section :	0				
Qtr:	7				
Qtrqtr:	SWNW				
Latitude:	42.48422				
Longitude:	-109.7113				
Applicant:	BP AMERICA PRODUCTION COMPANY				
Facility n:	STUD HORSE BUTTE 39-15				
Uses:	STO,MIS	Yld act:	Not Reported		
Well depth:	Not Reported	Static dep:	Not Reported		
Mwbz top:	Not Reported	Mwbz botto:	Not Reported		
Well log:	No	Chemical a:	Not Reported		
Sw divisio:	4	Sw distric:	5		
County 1:	Sublette	Decades:	2000		
Yield:	0	Site id:	WYSE30000041254		

2	ESE			WY WELLS	WYSE30000041318
	1/4 - 1/2 Mile Higher				
Fid 1:	0				
Permit :	40/8/555W	Priority:		02/19/2008	
Status :	UNA				
Township:	29				
Tns suffix:	N				
Range:	108				
Rng suffix:	W				
Section :	0				
Qtr:	5				
Qtrqtr:	NENW				
Latitude:	42.48783				
Longitude:	-109.7064				
Applicant:	BP AMERICA PRODUCTION COMPANY				
Facility n:	STUD HORSE BUTTE 24-15				
Uses:	STO,MIS	Yld act:	Not Reported		
Well depth:	Not Reported	Static dep:	Not Reported		
Mwbz top:	Not Reported	Mwbz botto:	Not Reported		
Well log:	No	Chemical a:	Not Reported		
Sw divisio:	4	Sw distric:	5		
County 1:	Sublette	Decades:	2000		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041318

3
WSW
1/2 - 1 Mile
Lower

WY WELLS WYSE30000041255

Fid 1:	0	Priority:	02/08/2008
Permit :	40/9/541W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	7		
Qtrqtr:	SWNW		
Latitude:	42.48428		
Longitude:	-109.7308		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 38-16		
Uses:	STO,MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000041255

A4
SSW
1/2 - 1 Mile
Lower

WY WELLS WYSE30000041155

Fid 1:	0	Priority:	06/11/2008
Permit :	41/6/130W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	SWSE		
Latitude:	0		
Longitude:	0		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	SHB 67-16 WATER WELL		
Uses:	STO,MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041155

A5
SSW
 1/2 - 1 Mile
 Lower

WY WELLS WYSE30000041154

Fid 1:	130532	Priority:	04/14/2004
Permit :	P167539W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	16		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.47703		
Longitude:	-109.721		
Applicant:	BP AMERICA PRODUCTION COMPANY** WY S		
Facility n:	STUD HORSE BUTTE 15-16		
Uses:	MIS	Yld act:	84
Well depth:	680	Static dep:	145
Mwbz top:	480	Mwbz botto:	640
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	84	Site id:	WYSE30000041154

B6
SE
 1 - 2 Miles
 Lower

WY WELLS WYSE30000041152

Fid 1:	98811	Priority:	03/23/2001
Permit :	P133368W		
Status :	GSE		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	15		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.47698		
Longitude:	-109.7015		
Applicant:	AMOCO OIL COMPANY		
Facility n:	STUD HORSE BUTTE 15-15		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041152

**B7
SE
1 - 2 Miles
Lower**

WY WELLS WYSE30000041153

Fid 1:	130531	Priority:	04/14/2004
Permit :	P167538W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	15		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.47698		
Longitude:	-109.7015		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	STUD HORSE BUTTE 15-15		
Uses:	MIS	Yld act:	35
Well depth:	805	Static dep:	150
Mwbz top:	300	Mwbz botto:	805
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	35	Site id:	WYSE30000041153

**8
SE
1 - 2 Miles
Lower**

WY WELLS WYSE30000041218

Fid 1:	0	Priority:	02/08/2008
Permit :	40/10/541W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	13		
Qtrqtr:	NESE		
Latitude:	42.48059		
Longitude:	-109.6966		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 50-15		
Uses:	STO,MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041218

**9
 North
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000041820

Fid 1:	0	Priority:	03/13/2008
Permit :	40/1/595W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.5059		
Longitude:	-109.7115		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	WDW #3 WATER WELL		
Uses:	STO,MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000041820

**10
 West
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000041417

Fid 1:	124821	Priority:	08/26/2004
Permit :	P161532W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	8		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.49153		
Longitude:	-109.7407		
Applicant:	YATES PETROLEUM CORPORATION** BUREAU		
Facility n:	GOBBLERS KNOB FEDERAL #2 W.W.		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041417

**11
SSE
1 - 2 Miles
Lower**

WY WELLS WYSE30000041014

Fid 1:	0	Priority:	12/07/2007
Permit :	40/1/458W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	22		
Qtr:	8		
Qtrqtr:	SENW		
Latitude:	42.46977		
Longitude:	-109.7063		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 6-20 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000041014

**12
WSW
1 - 2 Miles
Lower**

WY WELLS WYSE30000041219

Fid 1:	0	Priority:	12/05/2005
Permit :	P172012W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	17		
Qtr:	14		
Qtrqtr:	NWSE		
Latitude:	42.48069		
Longitude:	-109.7406		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	STUD HORSE BUTTE 10-17 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041219

C13
SSW
1 - 2 Miles
Lower

WY WELLS WYSE30000041015

Fid 1:	23387	Priority:	08/22/1973
Permit :	P24413W		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	21		
Qtr:	7		
Qtrqtr:	SWNW		
Latitude:	42.46985		
Longitude:	-109.7307		
Applicant:	USDI BLM		
Facility n:	CLAY HILL WELL #4118		
Uses:	STO	Yld act:	4
Well depth:	370	Static dep:	270
Mwbz top:	350	Mwbz botto:	365
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1970
Yield:	4	Site id:	WYSE30000041015

C14
SSW
1 - 2 Miles
Lower

FED USGS USGS3013923

Agency cd:	USGS	Site no:	422812109435001
Site name:	29N 108W 21BC 01	EDR Site id:	USGS3013923
Latitude:	422812	Dec lat:	42.46994597
Longitude:	1094350	Coord meth:	M
Dec lon:	-109.7312521	Latlong datum:	NAD27
Coord meth:	F	District:	56
Dec latlong datum:	NAD83	County:	035
State:	56	Land net:	SWNWS 21T 29NR 108W6
Country:	US	Map scale:	24000
Location map:	STUD HORSE BUTTE		
Altitude:	7180.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Green. Wyoming. Area = 2930 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19740328
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:	370	Hole depth:	370
Source of depth data:	Not Reported		
Project number:	0465603000		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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: 1974-03-28	Ground water data end date: 1974-03-28
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974-03-28	270.00	

D15
South
1 - 2 Miles
Lower

WY WELLS WYSE30000040941

Fid 1:	0	Priority:	12/14/2005
Permit :	P172037W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	21		
Qtr:	13		
Qtrqtr:	NESE		
Latitude:	42.46619		
Longitude:	-109.7161		
Applicant:	ULTRA RESOURCES, INC.** USDI, BUREAU		
Facility n:	STUD HORSE BUTTE 9-21		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040941

D16
South
1 - 2 Miles
Lower

WY WELLS WYSE30000040940

Fid 1:	0	Priority:	07/07/2008
Permit :	41/6/183W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	NESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	0	Yld act:	Not Reported
Longitude:	0	Static dep:	Not Reported
Applicant:	ULTRA RESOURCES, INC.	Mwbz botto:	Not Reported
Facility n:	STUD HORSE BUTTE 9-21	Chemical a:	Not Reported
Uses:	MIS	Sw distric:	5
Well depth:	Not Reported	Decades:	2000
Mwbz top:	Not Reported	Site id:	WYSE30000040940
Well log:	No		
Sw divisio:	4		
County 1:	Sublette		
Yield:	0		

E17
 WNW
 1 - 2 Miles
 Higher

FED USGS USGS3013928

Agency cd:	USGS	Site no:	422954109444201
Site name:	29N 108W 08BD 01	EDR Site id:	USGS3013928
Latitude:	422954	Dec lat:	42.49827883
Longitude:	1094442	Coor meth:	M
Dec lon:	-109.74569749	Latlong datum:	NAD27
Coor accr:	T	District:	56
Dec latlong datum:	NAD83	County:	035
State:	56	Land net:	SENWS08T29NR108W
Country:	US	Map scale:	Not Reported
Location map:	LANDER		
Altitude:	7200.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	50		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Big Sandy, Wyoming. Area = 1810 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19610101
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:	170	Hole depth:	Not Reported
Source of depth data:	Not Reported		
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:	1964-09-01	Ground water data end date:	1964-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1964-09-01	95.07	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID			
Direction			
Distance			
Elevation		Database	EDR ID Number
E18			
WNW		WY WELLS	WYSE30000041647
1 - 2 Miles			
Higher			
Fid 1:	8584		
Permit :	P9368P	Priority:	04/08/1940
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	8		
Qtr:	8		
Qtrqtr:	SENW		
Latitude:	42.49877		
Longitude:	-109.7456		
Applicant:	BUREAU OF LAND MANAGEMENT		
Facility n:	GRANITE FLAT WELL #169		
Uses:	STO	Yld act:	3
Well depth:	278	Static dep:	80
Mwbz top:	Unknown	Mwbz botto:	Unknown
Well log:	No	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1940
Yield:	3	Site id:	WYSE30000041647

F19			
ENE		WY WELLS	WYSE30000041633
1 - 2 Miles			
Higher			
Fid 1:	63708		
Permit :	P106042W	Priority:	05/19/1997
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	11		
Qtr:	3		
Qtrqtr:	SWNE		
Latitude:	42.49863		
Longitude:	-109.682		
Applicant:	USDI, BLM** ANSHUTZ EXPLORATION CORP		
Facility n:	SAND DRAW#7-11 (W)		
Uses:	MIS	Yld act:	100
Well depth:	715	Static dep:	260
Mwbz top:	640	Mwbz botto:	665
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1990

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 100 Site id: WYSE30000041633

**F20
 ENE
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000041634

Fid 1:	130529	Priority:	04/14/2004
Permit :	P167536W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	11		
Qtr:	3		
Qtrqtr:	SWNE		
Latitude:	42.49863		
Longitude:	-109.682		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	SAND DRAW 7-11 WATER WELL		
Uses:	MIS	Yld act:	100
Well depth:	715	Static dep:	260
Mwbz top:	640	Mwbz botto:	665
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	100	Site id:	WYSE30000041634

**F21
 ENE
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000041635

Fid 1:	0	Priority:	12/06/2007
Permit :	40/5/457W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	11		
Qtr:	3		
Qtrqtr:	SWNE		
Latitude:	42.49863		
Longitude:	-109.682		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	ENL. SAND DRAW 7-11 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041635

G22
SE
 1 - 2 Miles
 Higher

WY WELLS WYSE30000041085

Fid 1:	0	Priority:	01/30/2006
Permit :	P172998W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	23		
Qtr:	5		
Qtrqtr:	NENW		
Latitude:	42.47332		
Longitude:	-109.6868		
Applicant:	ULTRA RESOURCES, INC.** USDI, BUREAU		
Facility n:	STUD HORSE BUTTE 3C-23D		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000041085

G23
SE
 1 - 2 Miles
 Higher

WY WELLS WYSE30000041084

Fid 1:	0	Priority:	07/21/2008
Permit :	41/10/205W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	NENW		
Latitude:	0		
Longitude:	0		
Applicant:	ULTRA RESOURCES, INC.		
Facility n:	STUD HORSE BUTTE 3C-23D		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041084

24
South
1 - 2 Miles
Lower

WY WELLS WYSE30000040884

Fid 1:	62681	Priority:	03/03/1997
Permit :	P105051W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	21		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.46259		
Longitude:	-109.7209		
Applicant:	USDI, BLM** WESTERN GAS RESOURCES IN		
Facility n:	STUD HORSE 15-21W		
Uses:	MIS	Yld act:	100
Well depth:	670	Static dep:	180
Mwbz top:	580	Mwbz botto:	605
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1990
Yield:	100	Site id:	WYSE30000040884

25
SSW
1 - 2 Miles
Lower

WY WELLS WYSE30000040944

Fid 1:	0	Priority:	08/02/2006
Permit :	39/9/208W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	13		
Qtrqtr:	NESE		
Latitude:	42.46625		
Longitude:	-109.7356		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 9-20		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040944

**H26
 SSE
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040883

Fid 1:	0	Priority:	09/19/2007
Permit :	40/5/363W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	22		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.46254		
Longitude:	-109.7014		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 15-22X		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040883

**H27
 SSE
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040882

Fid 1:	0	Priority:	04/28/2006
Permit :	39/4/5W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	22		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.46254		
Longitude:	-109.7014		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 15-22X		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040882

28
ESE
2 - 3 Miles
Higher

WY WELLS WYSE30000041149

Fid 1:	0	Priority:	09/28/2006
Permit :	39/8/311W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	14		
Qtr:	16		
Qtrqtr:	SESE		
Latitude:	42.47689		
Longitude:	-109.677		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 16-14		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000041149

29
WSW
2 - 3 Miles
Lower

WY WELLS WYSE30000041087

Fid 1:	0	Priority:	10/29/2007
Permit :	40/9/422W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	6		
Qtrqtr:	NWNW		
Latitude:	42.47348		
Longitude:	-109.7503		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 25-20 WATER WELL		
Uses:	STO,MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041087

I30
SSW
 2 - 3 Miles
 Lower

WY WELLS WYSE30000040886

Fid 1:	130533		
Permit :	P167540W	Priority:	04/14/2004
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	16		
Qtrqtr:	SESE		
Latitude:	42.46264		
Longitude:	-109.7356		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	STUD HORSE BUTTE 16-20		
Uses:	MIS	Yld act:	120
Well depth:	680	Static dep:	145
Mwbz top:	480	Mwbz botto:	640
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	120	Site id:	WYSE30000040886

I31
SSW
 2 - 3 Miles
 Lower

WY WELLS WYSE30000040886

Fid 1:	0		
Permit :	39/5/45W	Priority:	05/17/2006
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	16		
Qtrqtr:	SESE		
Latitude:	42.46264		
Longitude:	-109.7356		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	ENL. STUD HORSE BUTTE 16-20		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040885

J32
SE
 2 - 3 Miles
 Lower

WY WELLS WYSE30000040939

Fid 1:	0	Priority:	07/21/2008
Permit :	41/9/205W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	NESW		
Latitude:	0		
Longitude:	0		
Applicant:	ULTRA RESOURCES, INC.		
Facility n:	STUD HORSE BUTTE 11-23		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette .	Decades:	2000
Yield:	0	Site id:	WYSE30000040939

J33
SE
 2 - 3 Miles
 Lower

WY WELLS WYSE30000040938

Fid 1:	0	Priority:	12/14/2005
Permit :	P172036W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	23		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.4661		
Longitude:	-109.6868		
Applicant:	ULTRA RESOURCES, INC.** USDI, BUREAU		
Facility n:	STUD HORSE BUTTE 11-23		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040938

**K34
 SSE
 2 - 3 Miles
 Lower**

WY WELLS WYSE30000040881

Fid 1:	62106	Priority:	10/15/1996
Permit :	P104193W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	23		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.46251		
Longitude:	-109.6917		
Applicant:	WESTERN GAS RESOURCES INC		
Facility n:	STUD HORSE #1		
Uses:	MIS	Yld act:	100
Well depth:	715	Static dep:	140
Mwbz top:	620	Mwbz botto:	660
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1990
Yield:	100	Site id:	WYSE30000040881

**K35
 SSE
 2 - 3 Miles
 Lower**

WY WELLS WYSE30000040880

Fid 1:	0	Priority:	07/07/2008
Permit :	41/7/183W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	SWSW		
Latitude:	0		
Longitude:	0		
Applicant:	ULTRA RESOURCES, INC.		
Facility n:	STUD HORSE BUTTE 13-23		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040880

K36
SSE
2 - 3 Miles
Lower

WY WELLS WYSE30000040879

Fid 1:	0	Priority:	02/16/2006
Permit :	38/4/473W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	23		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.46251		
Longitude:	-109.6917		
Applicant:	ULTRA RESOURCES, INC.		
Facility n:	STUD HORSE BUTTE 13-23		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040879

L37
SW
2 - 3 Miles
Lower

WY WELLS WYSE30000040945

Fid 1:	0	Priority:	08/29/2005
Permit :	P170548W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.46625		
Longitude:	-109.7453		
Applicant:	EnCana Oil & Gas (USA) Inc.		
Facility n:	STUD HORSE BUTTE #11-20W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040945

**L38
 SW
 2 - 3 Miles
 Lower**

WY WELLS WYSE30000040943

Fid 1:	90413	Priority:	07/18/2005
Permit :	38/9/60W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.46625		
Longitude:	-109.7453		
Applicant:	EnCana Oil & Gas (USA) Inc.		
Facility n:	STUD HORSE BUTTE #11-20 W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040943

**39
 WSW
 2 - 3 Miles
 Lower**

WY WELLS WYSE30000041016

Fid 1:	0	Priority:	03/31/2006
Permit :	38/5/548W		
Status:	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	19		
Qtr:	4		
Qtrqtr:	SENE		
Latitude:	42.46988		
Longitude:	-109.7551		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	CORONA 48-19		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000041016

40
South
2 - 3 Miles
Lower

WY WELLS WYSE30000040727

Fid 1:	0	Priority:	10/20/2005
Permit :	P171643W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	28		
Qtr:	14		
Qtrqtr:	NWSE		
Latitude:	42.45178		
Longitude:	-109.7208		
Applicant:	EnCana Oil & Gas (USA) Inc.** BLM OF		
Facility n:	STUD HORSE BUTTE #10-28W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040727

41
West
2 - 3 Miles
Lower

WY WELLS WYSE30000041257

Fid 1:	52691	Priority:	02/19/1986
Permit :	P71947W		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	18		
Qtr:	7		
Qtrqtr:	SWNW		
Latitude:	42.48433		
Longitude:	-109.7695		
Applicant:	USDI BLM		
Facility n:	DESERT		
Uses:	STO	Yld act:	25
Well depth:	225	Static dep:	105
Mwbz top:	215	Mwbz botto:	220
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1980

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 25 Site id: WYSE30000041257

M42
South
2 - 3 Miles
Higher

WY WELLS WYSE30000040678

Fid 1:	90492	Priority:	01/06/2000
Permit :	P121680W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	27		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.44817		
Longitude:	-109.711		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	STUB HORSE BUTTE #13-27		
Uses:	MIS	Yld act:	90
Well depth:	735	Static dep:	250
Mwbz top:	565	Mwbz botto:	710
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	90	Site id:	WYSE30000040678

M43
South
2 - 3 Miles
Higher

WY WELLS WYSE30000040679

Fid 1:	130530	Priority:	04/14/2004
Permit :	P167537W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	27		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.44817		
Longitude:	-109.711		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	STUD HORSE BUTTE 13-27		
Uses:	MIS	Yld act:	90
Well depth:	735	Static dep:	-1
Mwbz top:	565	Mwbz botto:	710
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 90 Site id: WYSE30000040679

**N44
 SE
 2 - 3 Miles
 Higher**

WY WELLS WYSE30000040937

Fid 1:	19879	Priority:	07/05/1962
Permit :	P9371P		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	24		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.466		
Longitude:	-109.6672		
Applicant:	USDI BLM		
Facility n:	STUD HORSE BUTTE #39 (DEEPENED)		
Uses:	STO	Yld act:	3
Well depth:	450	Static dep:	284
Mwbz top:	325	Mwbz botto:	335
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1960
Yield:	3	Site id:	WYSE30000040937

**N45
 ESE
 2 - 3 Miles
 Higher**

FED USGS USGS3013921

Agency cd:	USGS	Site no:	422759109395601
Site name:	29N 108W 24CA 01	EDR Site id:	USGS3013921
Latitude:	422759	Dec lat:	42.46633554
Longitude:	1093956	Coor meth:	M
Dec lon:	-109.66624991	Latlong datum:	NAD27
Coor accr:	T	District:	56
Dec latlong datum:	NAD83	County:	035
State:	56	Land net:	NESWS24T29NR108W
Country:	US	Map scale:	Not Reported
Location map:	LANDER		
Altitude:	7230.00		
Altitude method:	interpolated from topographic map		
Altitude accuracy:	50		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Big Sandy, Wyoming. Area = 1810 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19610101
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:	349	Hole depth:	Not Reported
Source of depth data:	Not Reported		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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: 1961-10-01	Ground water data end date: 1961-10-01
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1961-10-01	120.00	

O46
SSE
2 - 3 Miles
Higher

WY WELLS WYSE30000040725

Fid 1:	100107	Priority:	05/22/2001
Permit :	P134841W		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	26		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.45165		
Longitude:	-109.6867		
Applicant:	McMurry Oil Company** USDI, BUREAU O		
Facility n:	Stud Horse Butte # 11-26 W		
Uses:	MIS	Yld act:	100
Well depth:	880	Static dep:	360
Mwbz top:	845	Mwbz botto:	855
Well log:	Yes	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	100	Site id:	WYSE30000040725

O47
SSE
2 - 3 Miles
Higher

WY WELLS WYSE30000040724

Fid 1:	0	Priority:	02/15/2007
Permit :	39/4/543W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	26		
Qtr:	9		
Qtrqtr:	NESW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.45165		
Longitude:	-109.6867		
Applicant:	ENCANA OIL & GAS (USA) INC		
Facility n:	STUD HORSE BUTTE 11-26W		
Uses:	MISC	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040724

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
 RADON**

AREA RADON INFORMATION

State Database: WY Radon

Radon Test Results

<u>% Elev.</u>	<u>Total kits</u>	<u># tests 4-10 pCi/L</u>	<u># tests 10-20 pCi/L</u>	<u># Tests >20 pCi/L</u>
24%	234	43	9	4

Federal EPA Radon Zone for SUBLETTE County: 1

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

Federal Area Radon Information for Zip Code: 82923

Number of sites tested: 1

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.700 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 2003 & 2009 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 INFORMATIONAQUIFLOW^R 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**Wyoming Well Permits**

Source: Wyoming State Engineer's Office

Telephone: 307-777-6148

Wyoming well permit locations on file with the Wyoming State Engineer's Office

OTHER STATE DATABASE INFORMATION**RADON****State Database: WY Radon**

Source: Department of Health

Telephone: 307-777-6015

Wyoming Radon Project

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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Updip Area

BLM Road 5410

Boulder, WY 82923

Inquiry Number: 02979775.2r

January 31, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BLM ROAD 5410
BOULDER, WY 82923

COORDINATES

Latitude (North): 42.439200 - 42° 26' 21.1"
Longitude (West): 109.724100 - 109° 43' 26.8"
Universal Transverse Mercator: Zone 12
UTM X (Meters): 604941.0
UTM Y (Meters): 4699116.5
Elevation: 7138 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42109-D6 STUD HORSE BUTTE, WY
Most Recent Revision: 1969

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2006
Source: USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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

Federal Deltisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

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

SWF/LF..... Solid Waste Facility Database
SHWF..... Solid & Hazardous Waste Facility Database

State and tribal leaking storage tank lists

LTANKS..... Known Contaminated Sites
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

TANKS..... Storage Tank Listing

EXECUTIVE SUMMARY

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

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing
INST CONTROL..... Sites with Institutional Controls

State and tribal voluntary cleanup sites

VCP..... List of Voluntary Remediation Program Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CDL..... Clandestine Drug Lab Site Locations
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... SPILL Database

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites

EXECUTIVE SUMMARY

CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
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)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Steam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

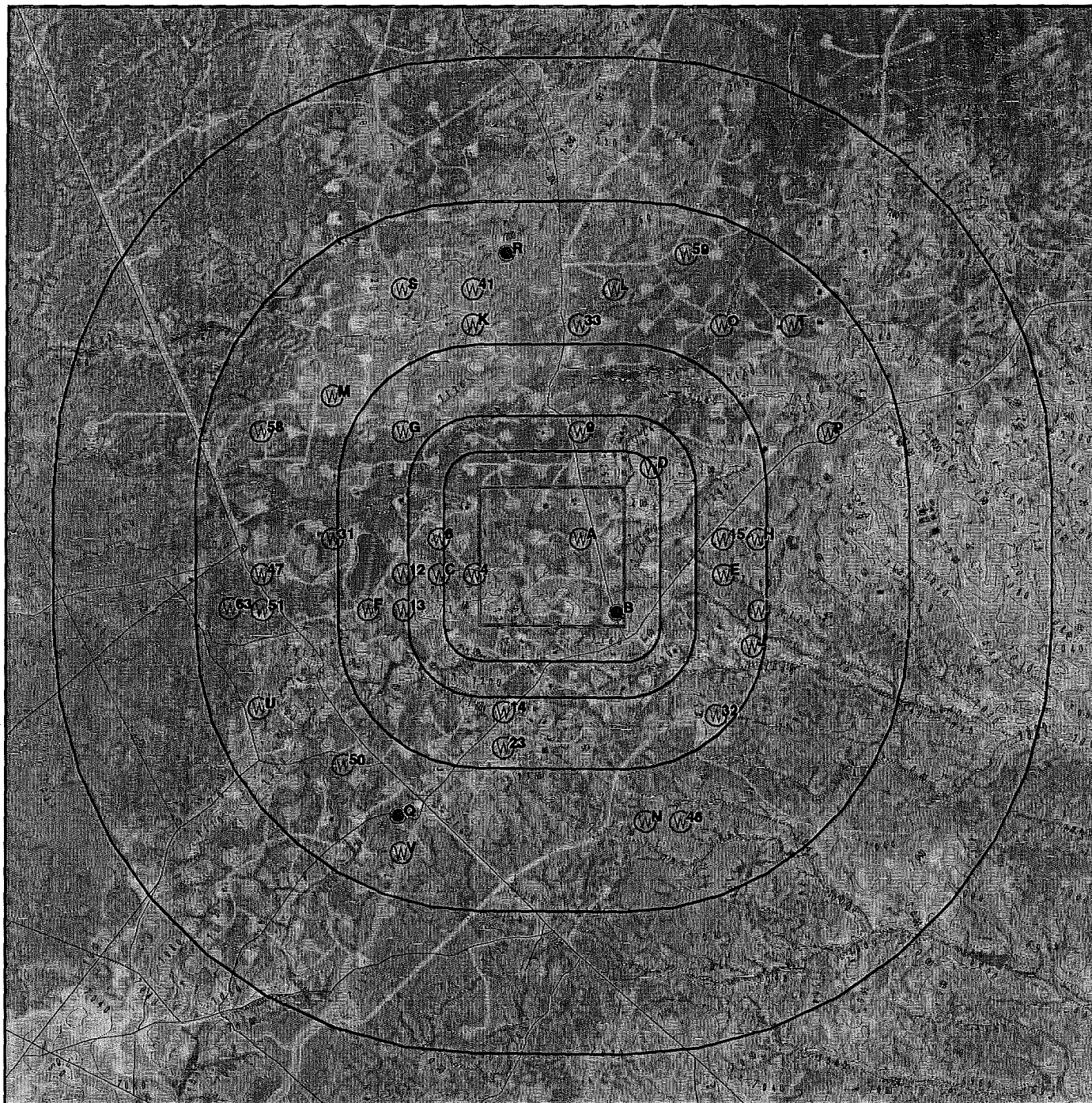
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

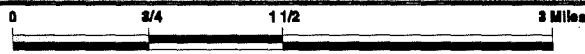
Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

<u>Site Name</u>	<u>Database(s)</u>
TEXACO, CALPET	CERC-NFRAP
BLM-BIRCH CREEK SITE	CERC-NFRAP
BLM-BOULDER LANDFILL	CERC-NFRAP
NEWPARK BOULDER PCS FACILITY (50.5	SWF/LF
BOULDER STORE	ICIS

OVERVIEW MAP - 02979775.2r



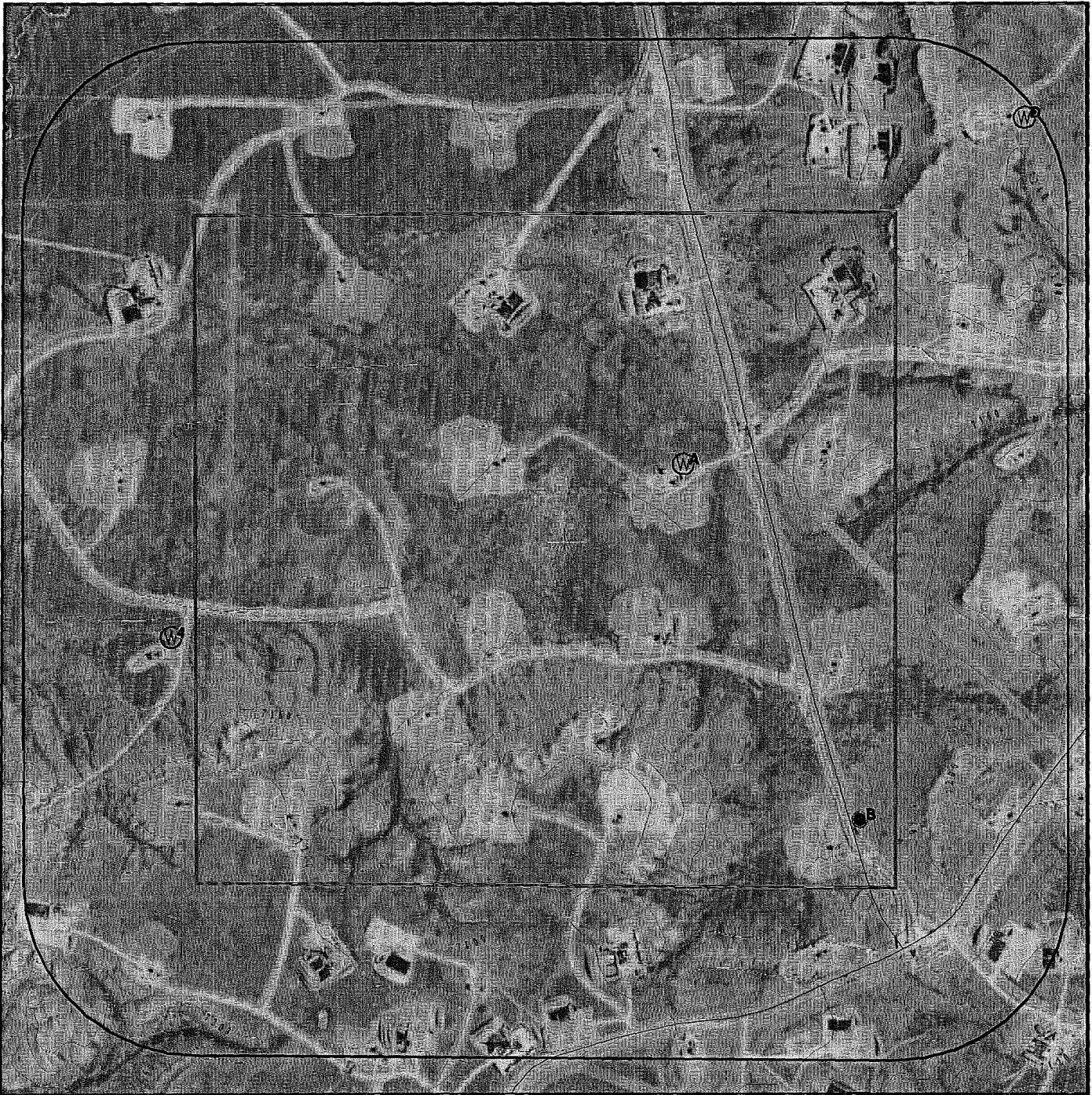
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory



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: Updip Area ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4392 / 109.7241</p>	<p>CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979775.2r DATE: January 31, 2011 7:58 pm</p>
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DETAIL MAP - 02979775.2r



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



- Indian Reservations BIA
- Oil & Gas pipelines
- 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: Updip Area ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4392 / 109.7241</p>	<p>CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979775.2r DATE: January 31, 2011 7:58 pm</p>
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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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
	NPL	2.500	0	0	0	0	0	0
	Proposed NPL	2.500	0	0	0	0	0	0
	NPL LIENS	1.500	0	0	0	0	0	0
Federal Delisted NPL site list								
	Delisted NPL	2.500	0	0	0	0	0	0
Federal CERCLIS list								
	CERCLIS	2.000	0	0	0	0	0	0
	FEDERAL FACILITY	2.500	0	0	0	0	0	0
Federal CERCLIS NFRAP site List								
	CERC-NFRAP	2.000	0	0	0	0	0	0
Federal RCRA CORRACTS facilities list								
	CORRACTS	2.500	0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
	RCRA-TSDF	2.000	0	0	0	0	0	0
Federal RCRA generators list								
	RCRA-LQG	1.750	0	0	0	0	0	0
	RCRA-SQG	1.750	0	0	0	0	0	0
	RCRA-CESQG	1.750	0	0	0	0	0	0
Federal institutional controls / engineering controls registries								
	US ENG CONTROLS	2.000	0	0	0	0	0	0
	US INST CONTROL	2.000	0	0	0	0	0	0
Federal ERNS list								
	ERNS	1.500	0	0	0	0	0	0
State- and tribal - equivalent CERCLIS								
	SHWS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
State and tribal landfill and/or solid waste disposal site lists								
	SWF/LF	2.000	0	0	0	0	0	0
	SHWF	2.000	0	0	0	0	0	0
State and tribal leaking storage tank lists								
	LTANKS	2.000	0	0	0	0	0	0
	INDIAN LUST	2.000	0	0	0	0	0	0
State and tribal registered storage tank lists								
	TANKS	1.750	0	0	0	0	0	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
UST		1.750	0	0	0	0	0	0
AST		1.750	0	0	0	0	0	0
INDIAN UST		1.750	0	0	0	0	0	0
FEMA UST		1.750	0	0	0	0	0	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS		2.000	0	0	0	0	0	0
INST CONTROL		2.000	0	0	0	0	0	0
State and tribal voluntary cleanup sites								
VCP		2.000	0	0	0	0	0	0
INDIAN VCP		2.000	0	0	0	0	0	0
State and tribal Brownfields sites								
BROWNFIELDS		2.000	0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		2.000	0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		2.000	0	0	0	0	0	0
DEBRIS REGION 9		2.000	0	0	0	0	0	0
SWRCY		2.000	0	0	0	0	0	0
INDIAN ODI		2.000	0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		1.500	0	0	0	0	0	0
CDL		1.500	0	0	0	0	0	0
US HIST CDL		1.500	0	0	0	0	0	0
Local Land Records								
LIENS 2		1.500	0	0	0	0	0	0
LUCIS		2.000	0	0	0	0	0	0
Records of Emergency Release Reports								
HMIRS		1.500	0	0	0	0	0	0
SPILLS		1.500	0	0	0	0	0	0
Other Ascertainable Records								
RCRA-NonGen		1.750	0	0	0	0	0	0
DOT OPS		1.500	0	0	0	0	0	0
DOD		2.500	0	0	0	0	0	0
FUDS		2.500	0	0	0	0	0	0
CONSENT		2.500	0	0	0	0	0	0
ROD		2.500	0	0	0	0	0	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
UMTRA		2.000	0	0	0	0	0	0
MINES		1.750	0	0	0	0	0	0
TRIS		1.500	0	0	0	0	0	0
TSCA		1.500	0	0	0	0	0	0
FTTS		1.500	0	0	0	0	0	0
HIST FTTS		1.500	0	0	0	0	0	0
SSTS		1.500	0	0	0	0	0	0
ICIS		1.500	0	0	0	0	0	0
PADS		1.500	0	0	0	0	0	0
MLTS		1.500	0	0	0	0	0	0
RADINFO		1.500	0	0	0	0	0	0
FINDS		1.500	0	0	0	0	0	0
RAATS		1.500	0	0	0	0	0	0
INDIAN RESERV		2.500	0	0	0	0	0	0
SCRD DRYCLEANERS		2.000	0	0	0	0	0	0
PCB TRANSFORMER		1.500	0	0	0	0	0	0
COAL ASH EPA		2.000	0	0	0	0	0	0
COAL ASH DOE		1.500	0	0	0	0	0	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		2.500	0	0	0	0	0	0
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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
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BOULDER	1011601762	BOULDER STORE	8782 HIGHWAY 191/PO BOX 25	82923	ICIS
BOULDER	S110358731	NEWARK BOULDER PCS FACILITY (50.5	SAND DRAW INDUSTRIAL PARK	82923	SWF/LF
CALPET	1003877634	TEXACO, CALPET	2 MILES W OF LA BARGE ON RTE 2	82923	CERC-NFRAP
CALPET	1003041685	BLM-BIRCH CREEK SITE	STATE RT.235 AT CALPET	82923	CERC-NFRAP
SUBLETTE	1003041689	BLM-BOULDER LANDFILL	WYOMING STATE RT 23-106	82923	CERC-NFRAP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/22/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

Federal CERCLIS list

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: 09/30/2010	Source: EPA
Date Data Arrived at EDR: 10/01/2010	Telephone: 703-412-9810
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/30/2010
Number of Days to Update: 119	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site information listing

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

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 01/11/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

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: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 12/01/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2010	Source: EPA
Date Data Arrived at EDR: 06/02/2010	Telephone: 800-424-9346
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 11/22/2010
Number of Days to Update: 124	Next Scheduled EDR Contact: 02/28/2011
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: 303-312-6149
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 01/06/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: 303-312-6149
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 01/06/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: 303-312-6149
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 01/06/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: 303-312-6149
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 01/06/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/10/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2011
	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: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 12/10/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 01/07/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

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

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

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: N/A	Telephone: 307-777-7752
Date Made Active in Reports: N/A	Last EDR Contact: 11/29/2010
Number of Days to Update: N/A	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: N/A

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

SWF/LF: Solid Waste Facility Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/17/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/20/2010	Telephone: 307-777-7752
Date Made Active in Reports: 01/21/2011	Last EDR Contact: 12/17/2010
Number of Days to Update: 32	Next Scheduled EDR Contact: 03/21/2011
	Data Release Frequency: Varies

SHWF: Solid & Hazardous Waste Facility Database

A listing of Solid and Hazardous waste facility locations in the state.

Date of Government Version: 12/17/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/20/2010	Telephone: 307-777-7752
Date Made Active in Reports: 01/21/2011	Last EDR Contact: 12/17/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 03/21/2011
	Data Release Frequency: Annually

State and tribal leaking storage tank lists**LTANKS: Known Contaminated Sites**

Leaking storage tank sites.

Date of Government Version: 08/02/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 08/19/2010	Telephone: 307-777-7781
Date Made Active in Reports: 08/24/2010	Last EDR Contact: 01/21/2011
Number of Days to Update: 5	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

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: 11/19/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2010	Telephone: 415-972-3372
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/16/2011
	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: 11/12/2010	Source: EPA Region 10
Date Data Arrived at EDR: 11/12/2010	Telephone: 206-553-2857
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on indian Land.

Date of Government Version: 09/01/2010	Source: EPA Region 1
Date Data Arrived at EDR: 11/05/2010	Telephone: 617-918-1313
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 11/02/2010
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/04/2010	Source: EPA Region 6
Date Data Arrived at EDR: 11/05/2010	Telephone: 214-665-6597
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010	Source: EPA Region 4
Date Data Arrived at EDR: 08/30/2010	Telephone: 404-562-8677
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Semi-Annually

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: 11/16/2010	Source: EPA Region 8
Date Data Arrived at EDR: 11/19/2010	Telephone: 303-312-6271
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/16/2011
	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: 11/04/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/04/2010	Telephone: 913-551-7003
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

State and tribal registered storage tank lists

TANKS: Storage Tank Listing

A listing of aboveground and underground storage tank locations.

Date of Government Version: 10/22/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 01/19/2011	Telephone: 307-777-7752
Date Made Active in Reports: 01/26/2011	Last EDR Contact: 01/19/2011
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Varies

UST: Underground Storage Tanks

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

Date of Government Version: 05/23/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/24/2008	Telephone: 307-777-7781
Date Made Active in Reports: 08/12/2008	Last EDR Contact: 01/17/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

AST: Wyoming Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 05/23/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/24/2008	Telephone: 307-777-7781
Date Made Active in Reports: 08/13/2008	Last EDR Contact: 01/17/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/27/2010	Source: EPA Region 4
Date Data Arrived at EDR: 08/30/2010	Telephone: 404-562-9424
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/19/2010	Source: EPA Region 9
Date Data Arrived at EDR: 11/19/2010	Telephone: 415-972-3368
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/01/2010	Source: EPA Region 7
Date Data Arrived at EDR: 12/02/2010	Telephone: 913-551-7003
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 11/09/2010
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/10/2010	Source: EPA Region 6
Date Data Arrived at EDR: 12/01/2010	Telephone: 214-665-7591
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 58	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/16/2010	Source: EPA Region 8
Date Data Arrived at EDR: 11/19/2010	Telephone: 303-312-6137
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/01/2010	Source: EPA, Region 1
Date Data Arrived at EDR: 11/05/2010	Telephone: 617-918-1313
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 11/02/2010
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/2010	Source: EPA Region 5
Date Data Arrived at EDR: 02/11/2010	Telephone: 312-886-6136
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 60	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/12/2010	Source: EPA Region 10
Date Data Arrived at EDR: 11/12/2010	Telephone: 206-553-2857
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/17/2011
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

A listing of sites with engineering controls in place.

Date of Government Version: 09/08/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/08/2009	Telephone: 307-777-5547
Date Made Active in Reports: 09/30/2009	Last EDR Contact: 11/29/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program sites with institutional Controls in place.

Date of Government Version: 11/02/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/02/2010	Telephone: 307-777-7752
Date Made Active in Reports: 12/10/2010	Last EDR Contact: 11/30/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

VCP: List of Voluntary Remediation Program Sites

A listing of sites participating in the Voluntary Remediation Program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2011	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/02/2010	Telephone: 307-777-5447
Date Made Active in Reports: 12/10/2010	Last EDR Contact: 11/30/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 01/05/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

A listing of Brownfields sites locations. Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment.

Date of Government Version: 11/02/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/02/2010	Telephone: 307-777-7752
Date Made Active in Reports: 12/10/2010	Last EDR Contact: 11/30/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/25/2010	Telephone: 202-566-2777
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 12/30/2010
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**US HIST CDL: National Clandestine Laboratory Register**

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

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

Local Land Records**LIENS 2: CERCLA Lien Information**

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

Date of Government Version: 05/06/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 90	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/22/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Varies

Records of Emergency Release Reports**HMIRS: Hazardous Materials Information Reporting System**

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

Date of Government Version: 04/06/2010	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/07/2010	Telephone: 202-366-4555
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 01/05/2011
Number of Days to Update: 50	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Annually

SPILLS: SPILL Database

Spills reported to the Department of Environmental Quality

Date of Government Version: 11/23/2010	Source: Department of Environmental Quality
Date Data Arrived at EDR: 01/14/2011	Telephone: 307-777-7783
Date Made Active in Reports: 01/21/2011	Last EDR Contact: 11/22/2010
Number of Days to Update: 7	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Varies

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: RCRA - Non Generators

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

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: 303-312-6149
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 01/06/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 11/09/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/21/2011
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/21/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/13/2010
Number of Days to Update: 112	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 10/01/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 10/29/2010	Telephone: Varies
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/03/2011
Number of Days to Update: 91	Next Scheduled EDR Contact: 04/18/2011
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 06/01/2010	Source: EPA
Date Data Arrived at EDR: 06/16/2010	Telephone: 703-416-0223
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 12/10/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**UMTRA: Uranium Mill Tailings Sites**

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

Date of Government Version: 12/14/2009	Source: Department of Energy
Date Data Arrived at EDR: 09/29/2010	Telephone: 505-845-0011
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 11/29/2010
Number of Days to Update: 5	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Varies

MINES: Mines Master Index File

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

Date of Government Version: 08/04/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/09/2010	Telephone: 303-231-5959
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/21/2011
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 12/17/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/29/2010
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Every 4 Years

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/29/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/29/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/14/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 01/31/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 04/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2010	Telephone: 202-564-5088
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 12/23/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 04/11/2011
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 02/01/2010	Source: EPA
Date Data Arrived at EDR: 04/22/2010	Telephone: 202-566-0500
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/21/2011
Number of Days to Update: 109	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/18/2010	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/06/2010	Telephone: 301-415-7169
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/13/2010
Number of Days to Update: 51	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 07/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 01/13/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (303) 312-6312
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/10/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

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

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 11/30/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/07/2011
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/21/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 08/31/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/01/2010	Telephone: 615-532-8599
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 01/24/2011
Number of Days to Update: 92	Next Scheduled EDR Contact: 05/09/2011
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/21/2011
Number of Days to Update: 339	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: N/A

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 11/09/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2009	Telephone: N/A
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 12/21/2010
Number of Days to Update: 54	Next Scheduled EDR Contact: 03/28/2011
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/18/2011
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 01/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 11/10/2010
Number of Days to Update: 100	Next Scheduled EDR Contact: 02/14/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

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

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

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: 10/28/2010
 Date Data Arrived at EDR: 11/09/2010
 Date Made Active in Reports: 12/17/2010
 Number of Days to Update: 38

Source: Department of Environmental Conservation
 Telephone: 518-402-8651
 Last EDR Contact: 11/09/2010
 Next Scheduled EDR Contact: 02/21/2011
 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: Rextag Strategies Corp.
 Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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: Day Care Provider List

Source: Department of Family Services

Telephone: 307-777-6595

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

UPDIP AREA
BLM ROAD 5410
BOULDER, WY 82923

TARGET PROPERTY COORDINATES

Latitude (North):	42.43920 - 42° 26' 21.1"
Longitude (West):	109.7241 - 109° 43' 26.8"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	604941.0
UTM Y (Meters):	4699116.5
Elevation:	7138 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42109-D6 STUD HORSE BUTTE, WY
Most Recent Revision:	1969

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).

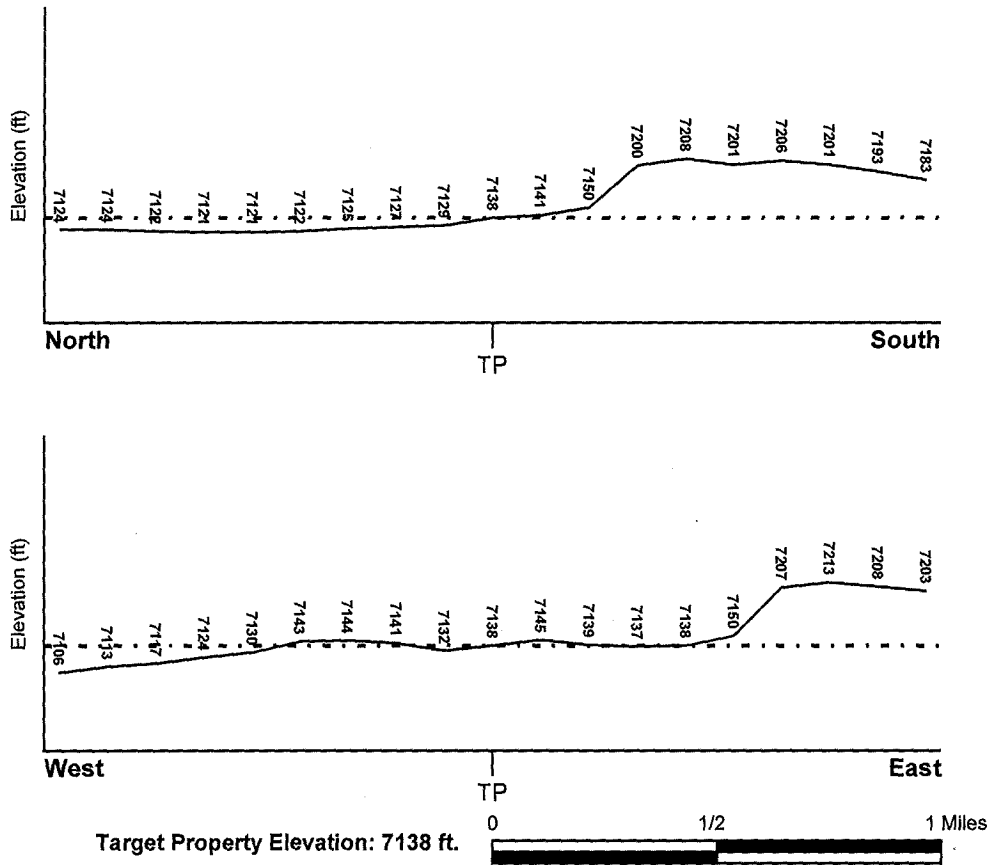
TOPOGRAPHIC INFORMATION

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 North

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> SUBLETTE, WY	FEMA Flood <u>Electronic Data</u> Not Available
Flood Plain Panel at Target Property:	Not Reported
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> STUD HORSE BUTTE	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Tertiary
Series: Eocene
Code: Tec (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: TEAGULF

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Well drained. 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: > 20 inches

Depth to Bedrock Max: > 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	3 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.40
2	3 inches	10 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.40
3	10 inches	35 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 9.00 Min: 7.90
4	35 inches	39 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: channery - sandy loam
loam
sandy loam
fine sand
unweathered bedrock

Surficial Soil Types: channery - sandy loam
loam
sandy loam
fine sand
unweathered bedrock

Shallow Soil Types: very channery - sandy loam
loam
sandy clay loam

Deeper Soil Types: sandy clay loam
loamy fine sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	2.500
Federal FRDS PWS	Nearest PWS within 1.500 miles
State Database	2.500

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B5	USGS3013917	1/2 - 1 Mile SE
50	USGS3013912	2 - 3 Miles SW
Q83	USGS3013910	2 - 3 Miles SSW
R55	USGS3013923	2 - 3 Miles North
63	USGS3013919	2 - 3 Miles West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

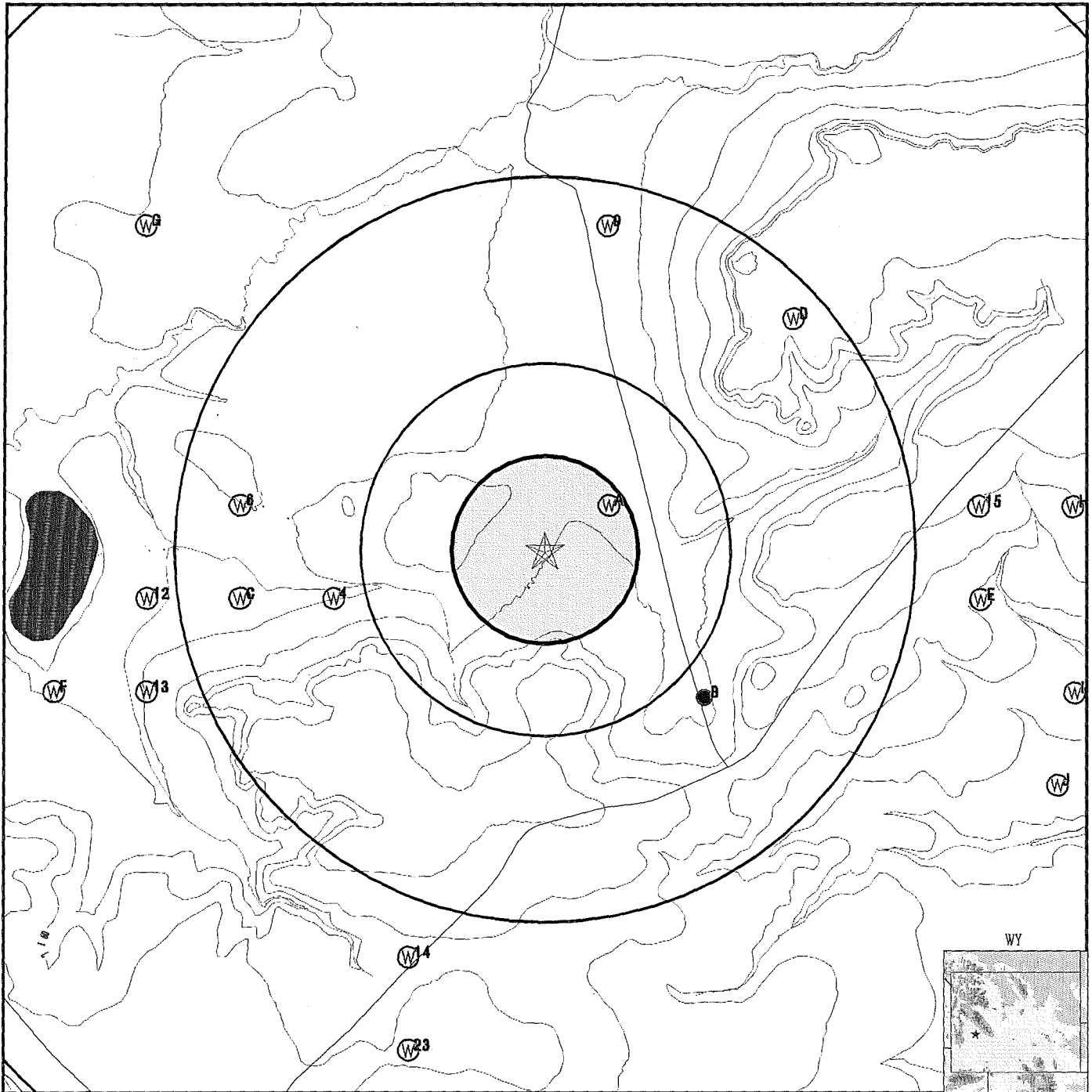
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	WYSE30000040590	1/8 - 1/4 Mile NE
A2	WYSE30000040591	1/8 - 1/4 Mile NE
B3	WYSE30000040504	1/2 - 1 Mile SE
4	WYSE30000040544	1/2 - 1 Mile WSW
6	WYSE30000040589	1/2 - 1 Mile West
C7	WYSE30000040546	1/2 - 1 Mile West
C8	WYSE30000040547	1/2 - 1 Mile West
9	WYSE30000040727	1/2 - 1 Mile North
D10	WYSE30000040678	1/2 - 1 Mile NE
D11	WYSE30000040679	1/2 - 1 Mile NE
12	WYSE30000040548	1 - 2 Miles West
13	WYSE30000040505	1 - 2 Miles WSW
14	WYSE30000040375	1 - 2 Miles SSW
15	WYSE30000040588	1 - 2 Miles East
E16	WYSE30000040541	1 - 2 Miles East
E17	WYSE30000040542	1 - 2 Miles East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F18	WYSE30000040506	1 - 2 Miles WSW
F19	WYSE30000040507	1 - 2 Miles WSW
F20	WYSE30000040508	1 - 2 Miles WSW
G21	WYSE30000040728	1 - 2 Miles NW
G22	WYSE30000040729	1 - 2 Miles NW
23	WYSE30000040313	1 - 2 Miles SSW
H24	WYSE30000040586	1 - 2 Miles East
H25	WYSE30000040587	1 - 2 Miles East
I26	WYSE30000040502	1 - 2 Miles ESE
I27	WYSE30000040503	1 - 2 Miles ESE
J28	WYSE30000040463	1 - 2 Miles ESE
J29	WYSE30000040464	1 - 2 Miles ESE
J30	WYSE30000040465	1 - 2 Miles ESE
31	WYSE30000040592	1 - 2 Miles West
32	WYSE30000040371	1 - 2 Miles SE
33	WYSE30000040884	1 - 2 Miles North
K34	WYSE30000040885	1 - 2 Miles NNW
K35	WYSE30000040886	1 - 2 Miles NNW
L36	WYSE30000040940	1 - 2 Miles NNE
L37	WYSE30000040941	1 - 2 Miles NNE
M38	WYSE30000040774	1 - 2 Miles NW
M39	WYSE30000040775	1 - 2 Miles NW
M40	WYSE30000040776	1 - 2 Miles NW
41	WYSE30000040944	1 - 2 Miles NNW
N42	WYSE30000040227	1 - 2 Miles SSE
N43	WYSE30000040226	1 - 2 Miles SSE
O44	WYSE30000040882	1 - 2 Miles NE
O45	WYSE30000040883	1 - 2 Miles NE
46	WYSE30000040225	2 - 3 Miles SSE
47	WYSE30000040549	2 - 3 Miles West
P48	WYSE30000040724	2 - 3 Miles ENE
P49	WYSE30000040725	2 - 3 Miles ENE
51	WYSE30000040509	2 - 3 Miles West
Q52	WYSE30000040233	2 - 3 Miles SSW
R54	WYSE30000041015	2 - 3 Miles North
S56	WYSE30000040943	2 - 3 Miles NNW
S57	WYSE30000040945	2 - 3 Miles NNW
58	WYSE30000040730	2 - 3 Miles WNW
59	WYSE30000041014	2 - 3 Miles NNE
T60	WYSE30000040879	2 - 3 Miles NE
T61	WYSE30000040880	2 - 3 Miles NE
T62	WYSE30000040881	2 - 3 Miles NE
U64	WYSE30000040382	2 - 3 Miles WSW
U65	WYSE30000040383	2 - 3 Miles WSW
V66	WYSE30000040160	2 - 3 Miles SSW
V67	WYSE30000040159	2 - 3 Miles SSW

PHYSICAL SETTING SOURCE MAP - 02979775.2r Page 180 of 266



- 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

<p>SITE NAME: Updip Area ADDRESS: BLM Road 5410 Boulder WY 82923 LAT/LONG: 42.4392 / 109.7241</p>	<p>CLIENT: Environ Corporation CONTACT: Sharon Harichandran INQUIRY #: 02979775.2r DATE: January 31, 2011 7:58 pm</p>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1		
NE	WY WELLS	WYSE30000040590
1/8 - 1/4 Mile		
Lower		

Fid 1:	89358	Priority:	08/08/2005
Permit :	38/1/109W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	33		
Qtr:	3		
Qtrqtr:	SWNE		
Latitude:	42.44093		
Longitude:	-109.7207		
Applicant:	EnCana Oil & Gas (USA) Inc.		
Facility n:	STUD HORSE BUTTE #7-33W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040590

A2		
NE	WY WELLS	WYSE30000040591
1/8 - 1/4 Mile		
Lower		

Fid 1:	127548	Priority:	12/13/2004
Permit :	P164486W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	33		
Qtr:	3		
Qtrqtr:	SWNE		
Latitude:	42.44093		
Longitude:	-109.7207		
Applicant:	McMURRY OIL LLC** BUREAU OF LAND MAN		
Facility n:	STUD HORSE BUTTE #7-33W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040591

**B3
 SE
 1/2 - 1 Mile
 Higher**

WY WELLS WYSE30000040504

Fid 1:	8536	Priority:	06/30/1948
Permit :	P9363P		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	33		
Qtr:	16		
Qtrqtr:	SESE		
Latitude:	42.43366		
Longitude:	-109.7157		
Applicant:	BUREAU OF LAND MANAGEMENT		
Facility n:	BUCKHORN #309		
Uses:	STO	Yld act:	4
Well depth:	215	Static dep:	110
Mwbz top:	190	Mwbz botto:	215
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1940
Yield:	4	Site id:	WYSE30000040504

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

WY WELLS WYSE30000040544

Fid 1:	131411	Priority:	05/12/2005
Permit :	P168426W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	13		
Qtrqtr:	NESE		
Latitude:	42.4373		
Longitude:	-109.7353		
Applicant:	EnCana Oil & Gas (USA) Inc.** USDI,		
Facility n:	STUD HORSE BUTTE #9-32W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield: 0 Site id: WYSE30000040544

**B5
SE
1/2 - 1 Mile
Higher**

FED USGS USGS3013917

Agency cd:	USGS	Site no:	422600109425401
Site name:	29N 108W 33DD 01	EDR Site id:	USGS3013917
Latitude:	422600	Dec lat:	42.4332799
Longitude:	1094254	Coor meth:	M
Dec lon:	-109.71569544	Latlong datum:	NAD27
Coor accr:	T	District:	56
Dec latlong datum:	NAD83	County:	035
State:	56	Land net:	SESES33T29NR108W
Country:	US	Map scale:	Not Reported
Location map:	LANDER		
Altitude:	7170.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	50		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Big Sandy, Wyoming. Area = 1810 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19480101
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:	215	Hole depth:	Not Reported
Source of depth data:	Not Reported		
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:	1964-09-01	Ground water data end date:	1964-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1964-09-01	111.47	

**6
West
1/2 - 1 Mile
Lower**

WY WELLS WYSE30000040589

Fid 1:	131410	Priority:	05/09/2005
Permit :	P168425W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	3		
Qtrqtr:	SWNE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.44093		
Longitude:	-109.7402		
Applicant:	EnCana Oil & Gas (USA) Inc.** USDI,		
Facility n:	STUD HORSE BUTTE #7-32W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040589

C7
West
1/2 - 1 Mile
Lower

WY WELLS WYSE30000040546

Fid 1:	89878	Priority:	08/08/2005
Permit :	38/4/109W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	14		
Qtrqtr:	NWSE		
Latitude:	42.43731		
Longitude:	-109.7402		
Applicant:	EnCana Oil & Gas (USA) Inc.		
Facility n:	STUD HORSE BUTTE #10-32W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040546

C8
West
1/2 - 1 Mile
Lower

WY WELLS WYSE30000040547

Fid 1:	131409	Priority:	05/09/2005
Permit :	P168424W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	14		
Qtrqtr:	NWSE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.43731		
Longitude:	-109.7402		
Applicant:	EnCana Oil & Gas (USA) Inc.** USDI,		
Facility n:	STUD HORSE BUTTE #10-32W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040547

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

WY WELLS WYSE30000040727

Fid 1:	0		
Permit :	P171643W	Priority:	10/20/2005
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	28		
Qtr:	14		
Qtrqtr:	NWSE		
Latitude:	42.45178		
Longitude:	-109.7208		
Applicant:	EnCana Oil & Gas (USA) Inc.** BLM OF		
Facility n:	STUD HORSE BUTTE #10-28W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040727

**D10
NE
1/2 - 1 Mile
Higher**

WY WELLS WYSE30000040678

Fid 1:	90492		
Permit :	P121680W	Priority:	01/06/2000
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	27		
Qtr:	11		
Qtrqtr:	SWSW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.44817	Yld act:	90
Longitude:	-109.711	Static dep:	250
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI	Mwbz botto:	710
Facility n:	STUB HORSE BUTTE #13-27	Chemical a:	No
Uses:	MIS	Sw distric:	5
Well depth:	735	Decades:	2000
Mwbz top:	565	Site id:	WYSE30000040678
Well log:	Yes		
Sw divisio:	4		
County 1:	Sublette		
Yield:	90		

D11
 NE
 1/2 - 1 Mile
 Higher

WY WELLS WYSE30000040679

Fid 1:	130530	Priority:	04/14/2004
Permit :	P167537W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	27		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.44817		
Longitude:	-109.711		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	STUD HORSE BUTTE 13-27		
Uses:	MIS	Yld act:	90
Well depth:	735	Static dep:	-1
Mwbz top:	565	Mwbz botto:	710
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	90	Site id:	WYSE30000040679

12
 West
 1 - 2 Miles
 Lower

WY WELLS WYSE30000040548

Fid 1:	130159	Priority:	04/14/2005
Permit :	P167159W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	9		
Qtrqtr:	NESW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.43731		
Longitude:	-109.7451		
Applicant:	EnCana Oil & Gas (USA) Inc.** USDI,		
Facility n:	STUD HORSE BUTTE #11-32W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040548

13
 WSW
 1 - 2 Miles
 Lower

WY WELLS WYSE30000040505

Fid 1:	131412		
Permit :	P168427W	Priority:	05/12/2005
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	12		
Qtrqtr:	SESW		
Latitude:	42.43368		
Longitude:	-109.7451		
Applicant:	EnCana Oil & Gas (USA) Inc.** USDI,		
Facility n:	STUD HORSE BUTTE #14-32W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040505

14
 SSW
 1 - 2 Miles
 Higher

WY WELLS WYSE30000040375

Fid 1:	97583		
Permit :	P131932W	Priority:	01/16/2001
Status :	GST		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	7		
Qtr:	2		
Qtrqtr:	NWNE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.42335	Yld act:	85
Longitude:	-109.7313	Static dep:	220
Applicant:	MCMURRY OIL COMPANY** USDI, BUREAU O	Mwbz botto:	695
Facility n:	JONAH FEDERAL 2 - 7W	Chemical a:	No
Uses:	MIS	Sw distric:	5
Well depth:	745	Decades:	2000
Mwbz top:	675	Site id:	WYSE30000040375
Well log:	Yes		
Sw divisio:	4		
County 1:	Sublette		
Yield:	85		

15
East
1 - 2 Miles
Higher

WY WELLS WYSE30000040588

Fid 1:	0	Priority:	10/20/2005
Permit :	P171642W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	34		
Qtr:	3		
Qtrqtr:	SWNE		
Latitude:	42.44088		
Longitude:	-109.7012		
Applicant:	EnCana Oil & Gas (USA) Inc.** BLM OF		
Facility n:	JONAH FEDERAL #32-34W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040588

E16
East
1 - 2 Miles
Higher

WY WELLS WYSE30000040541

Fid 1:	89576	Priority:	08/08/2005
Permit :	38/3/109W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	34		
Qtr:	14		
Qtrqtr:	NWSE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.43726	Yld act:	Not Reported
Longitude:	-109.7011	Static dep:	Not Reported
Applicant:	EnCana Oil & Gas (USA) Inc.	Mwbz botto:	Not Reported
Facility n:	STUD HORSE BUTTE #10-34W	Chemical a:	Not Reported
Uses:	MIS	Sw distric:	6
Well depth:	Not Reported	Decades:	2000
Mwbz top:	Not Reported	Site id:	WYSE30000040541
Well log:	No		
Sw divisio:	4		
County 1:	Sublette		
Yield:	0		

**E17
 East
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000040542

Fid 1:	130160	Priority:	04/14/2005
Permit :	P167160W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	34		
Qtr:	14		
Qtrqtr:	NWSE		
Latitude:	42.43726		
Longitude:	-109.7011		
Applicant:	EnCana Oil & Gas (USA) Inc.** USDI,		
Facility n:	STUD HORSE BUTTE #10-34W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040542

**F18
 WSW
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040506

Fid 1:	89160	Priority:	08/08/2005
Permit :	38/2/109W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	11		
Qtrqtr:	SWSW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.43369	Yld act:	Not Reported
Longitude:	-109.75	Static dep:	Not Reported
Applicant:	EnCana Oil & Gas (USA) Inc.	Mwbz botto:	Not Reported
Facility n:	STUD HORSE BUTTE #13-32W	Chemical a:	Not Reported
Uses:	MIS	Sw distric:	5
Well depth:	Not Reported	Decades:	2000
Mwbz top:	Not Reported	Site id:	WYSE30000040506
Well log:	No		
Sw divisio:	4		
County 1:	Sublette		
Yield:	0		

**F19
 WSW
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040507

Fid 1:	92552	Priority:	05/16/2000
Permit :	P125553W		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.43369		
Longitude:	-109.75		
Applicant:	MCMURRY OIL COMPANY		
Facility n:	STUD HORSE BUTTE #13-32W		
Uses:	MIS	Yld act:	85
Well depth:	740	Static dep:	320
Mwbz top:	440	Mwbz botto:	720
Well log:	Yes	Chemical a:	Yes
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	85	Site id:	WYSE30000040507

**F20
 WSW
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040508

Fid 1:	113184	Priority:	02/13/2003
Permit :	P149403W		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	32		
Qtr:	11		
Qtrqtr:	SWSW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.43369		
Longitude:	-109.75		
Applicant:	MCMURRY OIL CO.** BLM		
Facility n:	STUD HORSE BUTTE #13-32 W		
Uses:	MIS	Yld act:	85
Well depth:	740	Static dep:	320
Mwbz top:	440	Mwbz botto:	720
Well log:	Yes	Chemical a:	Yes
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	85	Site id:	WYSE30000040508

**G21
NW
1 - 2 Miles
Lower**

WY WELLS WYSE30000040728

Fid 1:	0		
Permit :	39/5/543W	Priority:	02/15/2007
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	29		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.45179		
Longitude:	-109.7452		
Applicant:	ENCANA OIL & GAS (USA) INC		
Facility n:	STUD HORSE BUTTE 11-29W		
Uses:	MISC	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040728

**G22
NW
1 - 2 Miles
Lower**

WY WELLS WYSE30000040729

Fid 1:	101121		
Permit :	P136074W	Priority:	06/28/2001
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	29		
Qtr:	9		
Qtrqtr:	NESW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.45179		
Longitude:	-109.7452		
Applicant:	USDI, BUREAU OF LAND MANAGEMENT** Mc		
Facility n:	STUD HORSE BUTTE No. 11-29W		
Uses:	MIS	Yld act:	100
Well depth:	615	Static dep:	110
Mwbz top:	480	Mwbz botto:	550
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	100	Site id:	WYSE30000040729

23
SSW
1 - 2 Miles
Higher

WY WELLS WYSE30000040313

Fid 1:	0		
Permit :	39/1/205W	Priority:	08/02/2006
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	7		
Qtr:	3		
Qtrqtr:	SWNE		
Latitude:	42.41973		
Longitude:	-109.7313		
Applicant:	ENCANA OIL & GAS (USA) INC.		
Facility n:	JONAH FEDERAL #7-7W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040313

H24
East
1 - 2 Miles
Higher

WY WELLS WYSE30000040586

Fid 1:	96558		
Permit :	P130709W	Priority:	10/31/2000
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	34		
Qtr:	4		
Qtrqtr:	SENE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.44086		
Longitude:	-109.6963		
Applicant:	USDI, BUREAU OF LAND MANAGEMENT** MC		
Facility n:	STUD HORSE BUTTE 8 - 34W		
Uses:	MIS	Yld act:	85
Well depth:	900	Static dep:	280
Mwbz top:	419	Mwbz botto:	780
Well log:	Yes	Chemical a:	Yes
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	85	Site id:	WYSE30000040586

**H25
 East
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000040587

Fid 1:	0		
Permit :	38/4/499W	Priority:	03/09/2006
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	34		
Qtr:	4		
Qtrqtr:	SENE		
Latitude:	42.44086		
Longitude:	-109.6963		
Applicant:	EnCana Oil & Gas (USA) Inc.		
Facility n:	STUD HORSE BUTTE 8-34W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040587

**I26
 ESE
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040502

Fid 1:	89140		
Permit :	38/10/108	Priority:	08/08/2005
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	34		
Qtr:	16		
Qtrqtr:	SESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.43363	Yld act:	Not Reported
Longitude:	-109.6962	Static dep:	Not Reported
Applicant:	EnCana Oil & Gas (USA) Inc.	Mwbz botto:	Not Reported
Facility n:	STUD HORSE BUTTE #16-34W	Chemical a:	Not Reported
Uses:	MIS	Sw distric:	6
Well depth:	Not Reported	Decades:	2000
Mwbz top:	Not Reported	Site id:	WYSE30000040502
Well log:	No		
Sw divisio:	4		
County 1:	Sublette		
Yield:	0		

I27
ESE
1 - 2 Miles
Lower

WY WELLS WYSE30000040503

Fid 1:	112464	Priority:	12/09/2002
Permit :	P148650W		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	34		
Qtr:	16		
Qtrqtr:	SESE		
Latitude:	42.43363		
Longitude:	-109.6962		
Applicant:	ENCANA OIL & GAS (USA) INC./BLM** US		
Facility n:	SHB 16-34W		
Uses:	MIS	Yld act:	85
Well depth:	2310	Static dep:	200
Mwbz top:	Unknown	Mwbz botto:	Unknown
Well log:	No	Chemical a:	No
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	85	Site id:	WYSE30000040503

J28
ESE
1 - 2 Miles
Lower

WY WELLS WYSE30000040463

Fid 1:	0	Priority:	07/11/2008
Permit :	41/4/197W		
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	NESW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	0		
Longitude:	0		
Applicant:	Encana Oil & Gas (USA) Inc.		
Facility n:	JONAH 1-4 W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040463

J29
ESE
 1 - 2 Miles
 Lower

WY WELLS WYSE30000040464

Fid 1:	62773		
Permit :	P105169W	Priority:	03/12/1997
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	4		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.43004		
Longitude:	-109.6971		
Applicant:	USDI, BUREAU OF LAND MANAGEMENT** Mc		
Facility n:	MCMURRY OFFICE #1		
Uses:	MIS	Yld act:	13
Well depth:	230	Static dep:	100
Mwbz top:	180	Mwbz botto:	195
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	1990
Yield:	13	Site id:	WYSE30000040464

J30
ESE
 1 - 2 Miles
 Lower

WY WELLS WYSE30000040465

Fid 1:	101123		
Permit :	P136076W	Priority:	06/28/2001
Status :	GST		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	4		
Qtr:	9		
Qtrqtr:	NESW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.43004		
Longitude:	-109.6971		
Applicant:	McMURRY OIL COMPANY** USDI, BUREAU O		
Facility n:	JOHAH No. 1-4W		
Uses:	MIS	Yld act:	115
Well depth:	600	Static dep:	150
Mwbz top:	511	Mwbz botto:	542
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	115	Site id:	WYSE30000040465

31
West
1 - 2 Miles
Lower

WY WELLS WYSE30000040592

Fid 1:	0		
Permit :	38/6/524W	Priority:	03/21/2006
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	31		
Qtr:	4		
Qtrqtr:	SENE		
Latitude:	42.44094		
Longitude:	-109.7549		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	CORONA 1-31 A WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040592

32
SE
1 - 2 Miles
Lower

WY WELLS WYSE30000040371

Fid 1:	0		
Permit :	39/2/460W	Priority:	12/20/2006
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	9		
Qtr:	6		
Qtrqtr:	NWNW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.423	Yld act:	Not Reported
Longitude:	-109.7021	Static dep:	Not Reported
Applicant:	JONAH GAS GATHERING	Mwbz botto:	Not Reported
Facility n:	JONAH WELL 2	Chemical a:	Not Reported
Uses:	MIS	Sw distric:	6
Well depth:	Not Reported	Decades:	2000
Mwbz top:	Not Reported	Site id:	WYSE30000040371
Well log:	No		
Sw divisio:	4		
County 1:	Sublette		
Yield:	0		

**33
 North
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000040884

Fid 1:	62681	Priority:	03/03/1997
Permit :	P105051W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	21		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.46259		
Longitude:	-109.7209		
Applicant:	USDI, BLM** WESTERN GAS RESOURCES IN		
Facility n:	STUD HORSE 15-21W		
Uses:	MIS	Yld act:	100
Well depth:	670	Static dep:	180
Mwbz top:	580	Mwbz botto:	605
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1990
Yield:	100	Site id:	WYSE30000040884

**K34
 NNW
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040885

Fid 1:	0	Priority:	05/17/2006
Permit :	39/5/45W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	16		
Qtrqtr:	SESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.46264		
Longitude:	-109.7356		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	ENL. STUD HORSE BUTTE 16-20		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040885

**K35
 NNW
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040886

Fid 1:	130533		
Permit :	P167540W	Priority:	04/14/2004
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	16		
Qtrqtr:	SESE		
Latitude:	42.46264		
Longitude:	-109.7356		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	STUD HORSE BUTTE 16-20		
Uses:	MIS	Yld act:	120
Well depth:	680	Static dep:	145
Mwbz top:	480	Mwbz botto:	640
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	120	Site id:	WYSE30000040886

**L36
 NNE
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000040940

Fid 1:	0		
Permit :	41/6/183W	Priority:	07/07/2008
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	NESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	0		
Longitude:	0		
Applicant:	ULTRA RESOURCES, INC.		
Facility n:	STUD HORSE BUTTE 9-21		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040940

L37
NNE
1 - 2 Miles
Higher

WY WELLS WYSE30000040941

Fid 1:	0		
Permit :	P172037W	Priority:	12/14/2005
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	21		
Qtr:	13		
Qtrqtr:	NESE		
Latitude:	42.46619		
Longitude:	-109.7161		
Applicant:	ULTRA RESOURCES, INC.** USDI, BUREAU		
Facility n:	STUD HORSE BUTTE 9-21		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040941

M38
NW
1 - 2 Miles
Lower

WY WELLS WYSE30000040774

Fid 1:	93975		
Permit :	P127221W	Priority:	08/04/2000
Status :	GSE		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	30		
Qtr:	4		
Qtrqtr:	SENE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.45541		
Longitude:	-109.755		
Applicant:	AMOCO PRODUCTION COMPANY** BLM		
Facility n:	CORONA UNIT 1-30 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040774

M39 NW **WY WELLS WYSE30000040775**
1 - 2 Miles
Lower

Fid 1:	131337		
Permit :	P168352W	Priority:	05/31/2005
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	30		
Qtr:	4		
Qtrqtr:	SENE		
Latitude:	42.45541		
Longitude:	-109.755		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	CORONA UNIT #1-30 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040775

M40 NW **WY WELLS WYSE30000040776**
1 - 2 Miles
Lower

Fid 1:	0		
Permit :	40/10/130	Priority:	05/09/2007
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	30		
Qtr:	4		
Qtrqtr:	SENE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.45541		
Longitude:	-109.755		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	CORONA UNIT #1-30 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040776

**41
NNW
1 - 2 Miles
Lower**

WY WELLS WYSE30000040944

Fid 1:	0		
Permit :	39/9/208W	Priority:	08/02/2006
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	13		
Qtrqtr:	NESE		
Latitude:	42.46625		
Longitude:	-109.7356		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 9-20		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040944

**N42
SSE
1 - 2 Miles
Lower**

WY WELLS WYSE30000040227

Fid 1:	0		
Permit :	40/2/541W	Priority:	02/07/2008
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	15		
Qtrqtr:	SWSE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.41224		
Longitude:	-109.7118		
Applicant:	ENCANA OIL & GAS (USA) INC.		
Facility n:	JONAH FEDERAL 4-8WW		
Uses:	TST	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040227

**N43
 SSE
 1 - 2 Miles
 Lower**

WY WELLS WYSE30000040226

Fid 1:	0		
Permit :	40/4/67W	Priority:	04/18/2007
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	8		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.41224		
Longitude:	-109.7118		
Applicant:	ENCANA OIL & GAS (USA) INC		
Facility n:	JONAH FEDERAL 4-8WW		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040226

**O44
 NE
 1 - 2 Miles
 Higher**

WY WELLS WYSE30000040882

Fid 1:	0		
Permit :	39/4/5W	Priority:	04/28/2006
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	22		
Qtr:	15		
Qtrqtr:	SWSE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.46254		
Longitude:	-109.7014		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 15-22X		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040882

O45
NE
1 - 2 Miles
Higher

WY WELLS WYSE30000040883

Fid 1:	0		
Permit :	40/5/363W	Priority:	09/19/2007
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	22		
Qtr:	15		
Qtrqtr:	SWSE		
Latitude:	42.46254		
Longitude:	-109.7014		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 15-22X		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040883

46
SSE
2 - 3 Miles
Lower

WY WELLS WYSE30000040225

Fid 1:	0		
Permit :	41/4/72W	Priority:	05/05/2008
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	16		
Qtrqtr:	SESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.41219		
Longitude:	-109.707		
Applicant:	Encana Oil & Gas (USA) Inc.		
Facility n:	ENCANA WORKFORCE FACILITY		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040225

47
West
2 - 3 Miles
Lower

WY WELLS WYSE30000040549

Fid 1:	0		
Permit :	38/9/430W	Priority:	01/20/2006
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	31		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.43732		
Longitude:	-109.7647		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	CORONA 11-31 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040549

P48
ENE
2 - 3 Miles
Higher

WY WELLS WYSE30000040724

Fid 1:	0		
Permit :	39/4/543W	Priority:	02/15/2007
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	26		
Qtr:	9		
Qtrqtr:	NESW		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.45165		
Longitude:	-109.6867		
Applicant:	ENCANA OIL & GAS (USA) INC		
Facility n:	STUD HORSE BUTTE 11-26W		
Uses:	MISC	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040724

**P49
ENE
2 - 3 Miles
Higher**

WY WELLS WYSE30000040725

Fid 1:	100107		
Permit :	P134841W	Priority:	05/22/2001
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section .:	26		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.45165		
Longitude:	-109.6867		
Applicant:	McMurry Oil Company** USDI, BUREAU O		
Facility n:	Stud Horse Butte # 11-26 W		
Uses:	MIS	Yld act:	100
Well depth:	880	Static dep:	360
Mwbz top:	845	Mwbz botto:	855
Well log:	Yes	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	100	Site id:	WYSE30000040725

**50
SW
2 - 3 Miles
Higher**

FED USGS USGS3013912

Agency cd:	USGS	Site no:	422505109451001
Site name:	28N 109W 12 01		
Latitude:	422505	EDR Site id:	USGS3013912
Longitude:	1094510	Dec lat:	42.41800192
Dec lon:	-109.75347422	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	56
State:	56	County:	035
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: Not Reported
 Altitude method: Not Reported
 Altitude accuracy: Not Reported
 Altitude datum: Not Reported
 Hydrologic: Upper GreenSlate, Wyoming. Area = 1480 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: LANEY SHALE MEMBER OF GREEN RIVER FORMATION
 Well depth: 290 Hole depth: Not Reported
 Source of depth data: Not Reported
 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: 1958-05-29
 Water quality data end date: 1958-05-29 Water quality data count: 1
 Ground water data begin date: 0000-00-00 Ground water data end date: 0000-00-00
 Ground water data count: 0

Ground-water levels, Number of Measurements: 0

51
West
2 - 3 Miles
Lower

WY WELLS WYSE30000040509

Fid 1: 0
 Permit : P172985W Priority: 01/20/2006
 Status : GSI
 Township: 29
 Tns suffix: N
 Range: 108
 Rng suffix: W
 Section : 31
 Qtr: 12
 Qtrqtr: SESW
 Latitude: 42.4337
 Longitude: -109.7646
 Applicant: BP AMERICA PRODUCTION COMPANY** USDI
 Facility n: CORONA 14-31 WATER WELL
 Uses: MIS Yld act: Not Reported
 Well depth: Not Reported Static dep: Not Reported
 Mwbz top: Not Reported Mwbz botto: Not Reported
 Well log: No Chemical a: Not Reported
 Sw divisio: 4 Sw distric: 5
 County 1: Sublette Decades: 2000
 Yield: 0 Site id: WYSE30000040509

Q52
SSW
2 - 3 Miles
Higher

WY WELLS WYSE30000040233

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid 1:	40299	Priority:	03/19/1971
Permit :	P8521W		
Status :	GST		
Township:	28		
Tns suffix:	N		
Range:	109		
Rng suffix:	W		
Section :	12		
Qtr:	16		
Qtrqtr:	SESE		
Latitude:	42.41266		
Longitude:	-109.7454		
Applicant:	BUREAU OF LAND MANAGEMENT		
Facility n:	YELLOW POINT WELL #4082		
Uses:	STO	Yld act:	10
Well depth:	290	Static dep:	156
Mwbz top:	270	Mwbz botto:	290
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	1970
Yield:	10	Site id:	WYSE30000040233

Q53
SSW
2 - 3 Miles
Higher

FED USGS USGS3013910

Agency cd:	USGS	Site no:	422416109444401
Site name:	28N 109W 12DD 01		
Latitude:	422447	EDR Site id:	USGS3013910
Longitude:	1094444	Dec lat:	42.41300205
Dec lon:	-109.74625164	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	56
State:	56	County:	035
Country:	US	Land net:	SESES 12T 28NR 109W6
Location map:	STUD HORSE BUTTE	Map scale:	24000
Altitude:	7161.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper GreenSlatē. Wyoming. Area = 1480 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19720420
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:	290	Hole depth:	290
Source of depth data:	Not Reported		
Project number:	0465603000		
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:	1972-04-20	Ground water data end date:	1972-04-20
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
1972-04-20	156.00	

R54
North
2 - 3 Miles
Higher

WY WELLS WYSE30000041015

Fid 1:	23387	Priority:	08/22/1973
Permit :	P24413W		
Status :	GST		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	21		
Qtr:	7		
Qtrqtr:	SWNW		
Latitude:	42.46985		
Longitude:	-109.7307		
Applicant:	USDI BLM		
Facility n:	CLAY HILL WELL #4118		
Uses:	STO	Yld act:	4
Well depth:	370	Static dep:	270
Mwbz top:	350	Mwbz botto:	365
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1970
Yield:	4	Site id:	WYSE30000041015

R55
North
2 - 3 Miles
Higher

FED USGS USGS3013923

Agency cd:	USGS	Site no:	422812109435001
Site name:	29N 108W 21BC 01		
Latitude:	422812	EDR Site id:	USGS3013923
Longitude:	1094350	Dec lat:	42.46994597
Dec lon:	-109.7312521	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	56
State:	56	County:	035
Country:	US	Land net:	SWNWS 21T 29NR 108W6
Location map:	STUD HORSE BUTTE	Map scale:	24000
Altitude:	7180.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Green, Wyoming. Area = 2930 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19740328
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:	Not Reported		
Well depth:	370	Hole depth:	370
Source of depth data:	Not Reported		
Project number:	0465603000		
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:	1974-03-28	Ground water data end date:	1974-03-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----	-----	-----
1974-03-28	270.00	

S56
NNW
2 - 3 Miles
Lower

WY WELLS WYSE30000040943

Fid 1:	90413		
Permit :	38/9/60W	Priority:	07/18/2005
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.46625		
Longitude:	-109.7453		
Applicant:	EnCana Oil & Gas (USA) Inc.		
Facility n:	STUD HORSE BUTTE #11-20 W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040943

S57
NNW
2 - 3 Miles
Lower

WY WELLS WYSE30000040945

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid 1:	0	Priority:	08/29/2005
Permit :	P170548W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	20		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.46625		
Longitude:	-109.7453		
Applicant:	EnCana Oil & Gas (USA) Inc.		
Facility n:	STUD HORSE BUTTE #11-20W		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040945

58
 WNW
 2 - 3 Miles
 Lower

WY WELLS WYSE30000040730

Fid 1:	0	Priority:	12/07/2007
Permit :	40/10/457W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	30		
Qtr:	9		
Qtrqtr:	NESW		
Latitude:	42.45181		
Longitude:	-109.7648		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	CORONA 11-30		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040730

59
 NNE
 2 - 3 Miles
 Higher

WY WELLS WYSE30000041014

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid 1:	0	Priority:	12/07/2007
Permit :	40/1/458W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	22		
Qtr:	8		
Qtrqtr:	SENW		
Latitude:	42.46977		
Longitude:	-109.7063		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	STUD HORSE BUTTE 6-20 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000041014

**T60
 NE
 2 - 3 Miles
 Higher**

WY WELLS WYSE30000040879

Fid 1:	0	Priority:	02/16/2006
Permit :	38/4/473W		
Status :	GSI		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	23		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.46251		
Longitude:	-109.6917		
Applicant:	ULTRA RESOURCES, INC.		
Facility n:	STUD HORSE BUTTE 13-23		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040879

**T61
 NE
 2 - 3 Miles
 Higher**

WY WELLS WYSE30000040880

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid 1:	0	Priority:	07/07/2008
Permit :	41/7/183W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	0		
Qtr:	0		
Qtrqtr:	SWSW		
Latitude:	0		
Longitude:	0		
Applicant:	ULTRA RESOURCES, INC.		
Facility n:	STUD HORSE BUTTE 13-23		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040880

T62
NE
2 - 3 Miles
Higher

WY WELLS WYSE30000040881

Fid 1:	62106	Priority:	10/15/1996
Permit :	P104193W		
Status :	UNA		
Township:	29		
Tns suffix:	N		
Range:	108		
Rng suffix:	W		
Section :	23		
Qtr:	11		
Qtrqtr:	SWSW		
Latitude:	42.46251		
Longitude:	-109.6917		
Applicant:	WESTERN GAS RESOURCES INC		
Facility n:	STUD HORSE #1		
Uses:	MIS	Yld act:	100
Well depth:	715	Static dep:	140
Mwbz top:	620	Mwbz botto:	660
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	1990
Yield:	100	Site id:	WYSE30000040881

63
West
2 - 3 Miles
Lower

FED USGS USGS3013919

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	422602109460601
Site name:	29N 108W 31CC 01	EDR Site id:	USGS3013919
Latitude:	422602	Dec lat:	42.43383495
Longitude:	1094606	Coor meth:	M
Dec lon:	-109.76903075	Latlong datum:	NAD27
Coor accr:	M	District:	56
Dec latlong datum:	NAD83	County:	035
State:	56	Land net:	SWSWS31T29NR108W
Country:	US	Map scale:	Not Reported
Location map:	LANDER		
Altitude:	7080.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	50		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Big Sandy, Wyoming. Area = 1810 sq.mi.		
Topographic:	local depression		
Site type:	Ground-water other than Spring	Date construction:	19640101
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:	95.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
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:	1964-09-01	Ground water data end date:	1964-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1964-09-01	70.27	

U64
WSW
2 - 3 Miles
Lower

WY WELLS WYSE30000040382

Fid 1:	0	Priority:	05/09/2007
Permit :	40/9/130W		
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	109		
Rng suffix:	W		
Section :	11		
Qtr:	1		
Qtrqtr:	NENE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.42374		
Longitude:	-109.765		
Applicant:	BP AMERICA PRODUCTION COMPANY		
Facility n:	CORONA UNIT #1-11 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040382

U65
WSW
 2 - 3 Miles
 Lower

WY WELLS WYSE30000040383

Fid 1:	0		
Permit :	P170562W	Priority:	09/08/2005
Status :	GSI		
Township:	28		
Tns suffix:	N		
Range:	109		
Rng suffix:	W		
Section :	11		
Qtr:	1		
Qtrqtr:	NENE		
Latitude:	42.42374		
Longitude:	-109.765		
Applicant:	BP AMERICA PRODUCTION COMPANY** USDI		
Facility n:	CORONA UNIT #1-11 WATER WELL		
Uses:	MIS	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	5
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040383

V66
SSW
 2 - 3 Miles
 Higher

WY WELLS WYSE30000040160

Fid 1:	0		
Permit :	39/6/543W	Priority:	02/15/2007
Status :	UNA		
Township:	28		
Tns suffix:	N		
Range:	109		
Rng suffix:	W		
Section :	13		
Qtr:	1		
Qtrqtr:	NENE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude:	42.40903		
Longitude:	-109.7454		
Applicant:	ENCANA OIL & GAS (USA) INC		
Facility n:	YELLOW POINT 1-13W		
Uses:	MISC	Yld act:	Not Reported
Well depth:	Not Reported	Static dep:	Not Reported
Mwbz top:	Not Reported	Mwbz botto:	Not Reported
Well log:	No	Chemical a:	Not Reported
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	0	Site id:	WYSE30000040160

V67
SSW
 2 - 3 Miles
 Higher

WY WELLS WYSE30000040159

Fid 1:	101120		
Permit :	P136073W	Priority:	06/28/2001
Status :	GST		
Township:	28		
Tns suffix:	N		
Range:	109		
Rng suffix:	W		
Section :	13		
Qtr:	1		
Qtrqtr:	NENE		
Latitude:	42.40903		
Longitude:	-109.7454		
Applicant:	USDI, BUREAU OF LAND MANAGEMENT** Mc		
Facility n:	YELLOW POINT 1-13W		
Uses:	MIS	Yld act:	100
Well depth:	575	Static dep:	150
Mwbz top:	500	Mwbz botto:	520
Well log:	Yes	Chemical a:	No
Sw divisio:	4	Sw distric:	6
County 1:	Sublette	Decades:	2000
Yield:	100	Site id:	WYSE30000040159

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
 RADON**

AREA RADON INFORMATION

State Database: WY Radon

Radon Test Results

<u>% Elev.</u>	<u>Total kits</u>	<u># tests 4-10 pCi/L</u>	<u># tests 10-20 pCi/L</u>	<u># Tests >20 pCi/L</u>
24%	234	43	9	4

Federal EPA Radon Zone for SUBLETTE County: 1

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

Federal Area Radon Information for Zip Code: 82923

Number of sites tested: 1

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.700 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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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^R 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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Wyoming Well Permits

Source: Wyoming State Engineer's Office

Telephone: 307-777-6148

Wyoming well permit locations on file with the Wyoming State Engineer's Office

OTHER STATE DATABASE INFORMATION

RADON

State Database: WY Radon

Source: Department of Health

Telephone: 307-777-6015

Wyoming Radon Project

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix C
Historical Reference Sources

Appendix C.1
Topographic Maps

Downdip

BLM Road 5410

Boulder, WY 82923

Inquiry Number: 2979824.4

February 01, 2011

EDR Historical Topographic Map Report

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. EDR's 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.

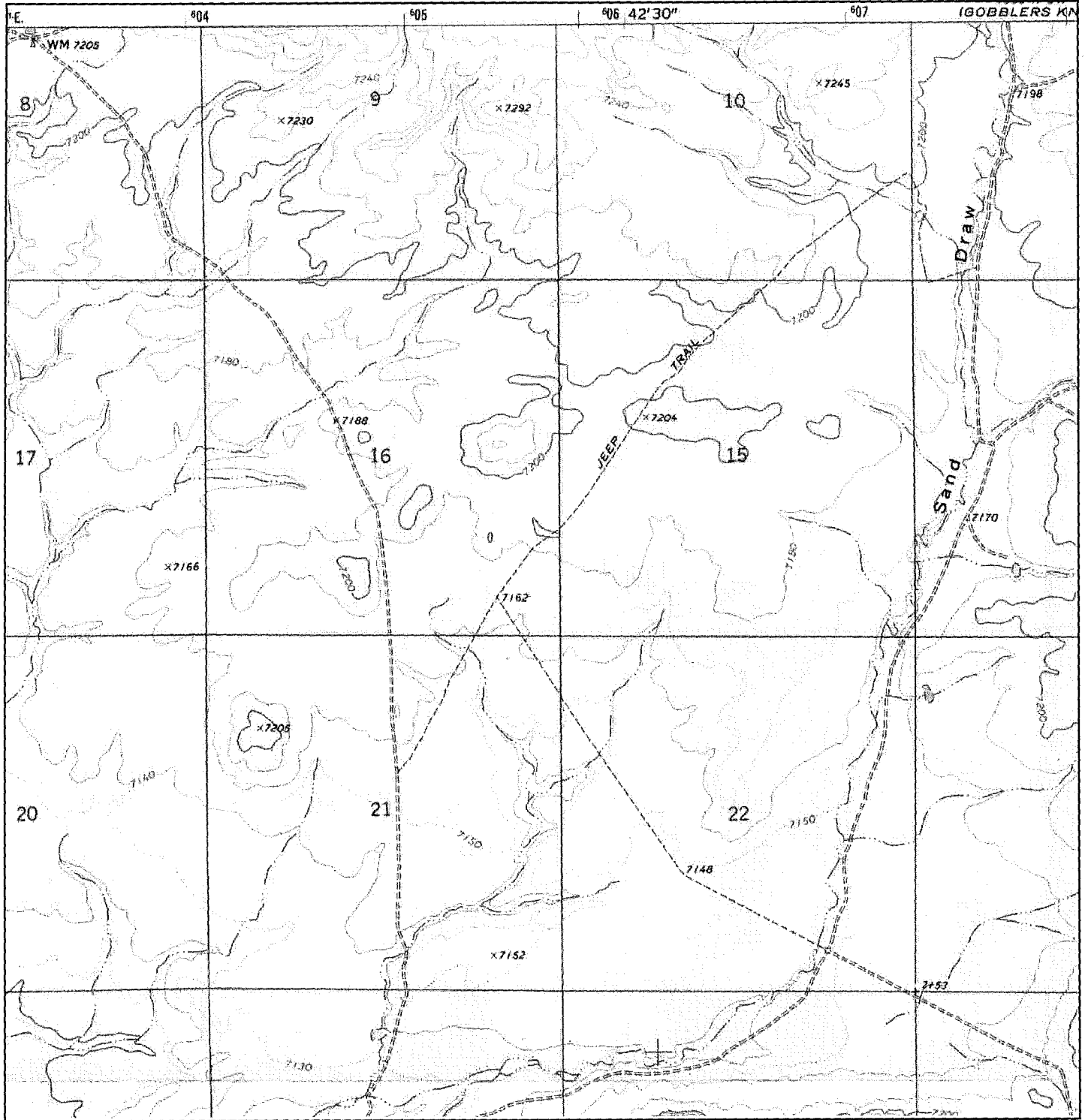
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Historical Topographic Map



N 	TARGET QUAD	SITE NAME:	Downdip	CLIENT:	Environ Corporation
	NAME: STUD HORSE BUTTE	ADDRESS:	BLM Road 5410 Boulder, WY 82923	CONTACT:	Sharon Harichandran
	MAP YEAR: 1969	LAT/LONG:	42.4897 / -109.7146	INQUIRY#:	2979824.4
SERIES: 7.5				RESEARCH DATE:	02/01/2011
SCALE: 1:24000					

Updip Area

BLM Road 5410

Boulder, WY 82923

Inquiry Number: 2979775.4

February 01, 2011

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

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with any questions or comments.

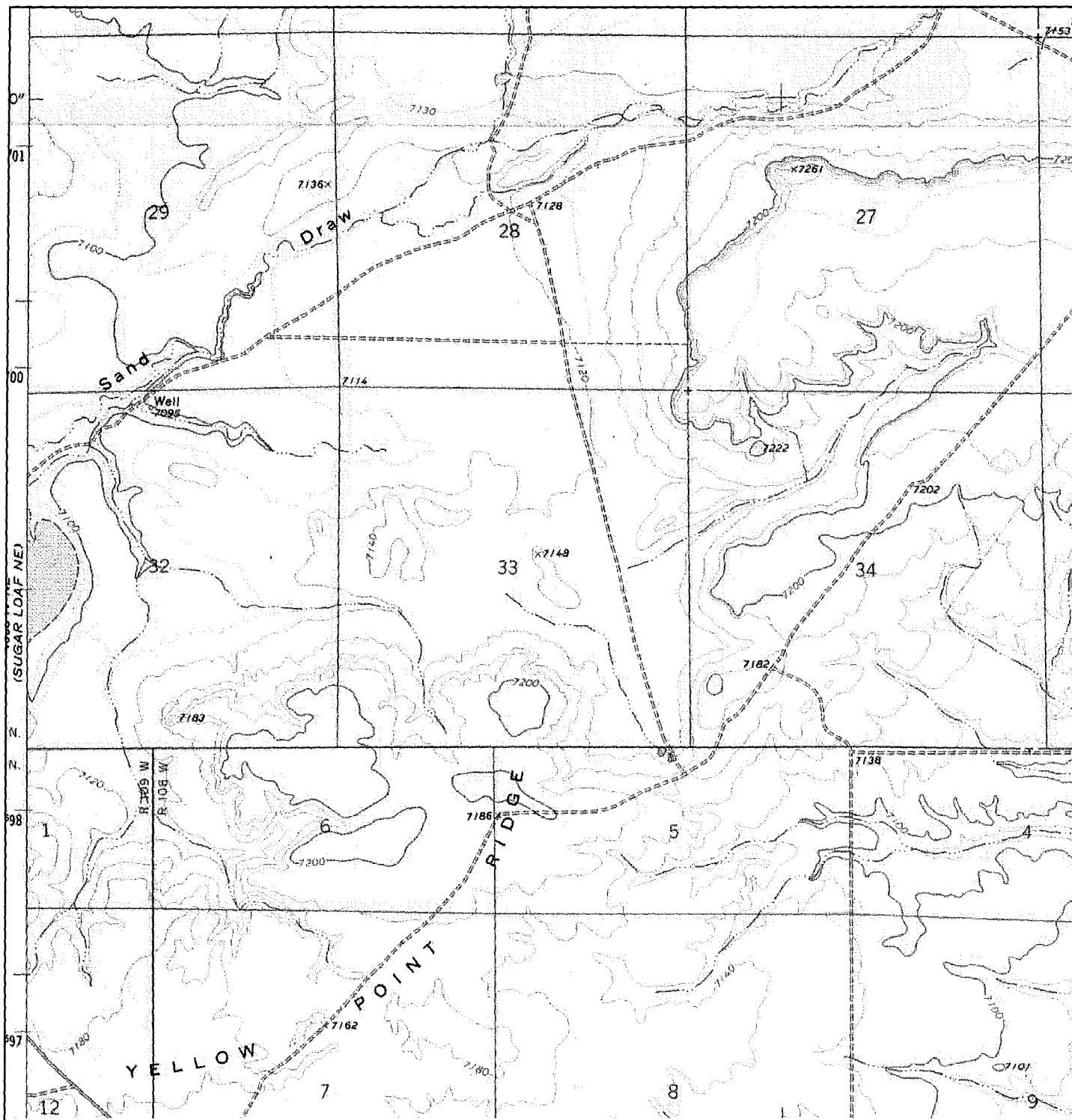
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Historical Topographic Map



	TARGET QUAD	SITE NAME:	Updip Area	CLIENT:	Environ Corporation
	NAME: STUD HORSE BUTTE	ADDRESS:	BLM Road 5410	CONTACT:	Sharon Harichandran
	MAP YEAR: 1969	LAT/LONG:	Boulder, WY 82923	INQUIRY#:	2979775.4
	SERIES: 7.5		42.4392 / -109.7241	RESEARCH DATE:	02/01/2011
	SCALE: 1:24000				

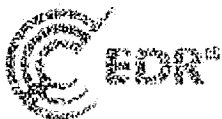
Appendix C.2
Aerial Photographs

Downdip

BLM Road 5410
Boulder, WY 82923

Inquiry Number: 2979824.5
February 04, 2011

USGS Aerial Photography Priority Package



Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

USGS Aerial Photography

Order # 2979824.5

Boulder, WY Sublette County

Photo ID	Date	Scale
NP0NAPP012543131	2001	1"= 3333'
N10NAPPW07918057	1994	1"= 3333'
NC1NHAP820369103	1983	1"= 4833'
AR1VEHJ00030071	1977	1"= 6666'
ARA001310081370	1954	1"= 5000'

Tips:

The following information is intended to assist you in the use of the USGS Aerials. Because the performance and use of different systems can vary greatly, questions on the use of each computer, and program used should be referred to the manufacturer of the computer and program.

Opening and working with large .tiff files:

- o **Click on file to open once only (please be patient).**
- o **Close other programs to make memory available.**
- o **Only open one photo at a time, close photo before attempting to open another.**
- o USGS Aerials are provided in .tiff format on a DVD and may require a special program to open or edit.
- o **You must have a DVD-ROM drive** on your computer to open the images.
- o If you have Windows XP/98se, the **Microsoft Paint Program** will allow you to view and edit the images. Other programs are available from Adobe and on the Internet.
- o The files provided on the USGS DVD are **very large** (up to 400 megabytes) and can take up to **15 minutes, or longer, to open** on your computer depending on your hardware and software.
- o For faster opening, copy the files into your local hard drive prior to opening the files.
- o USGS Aerials **do not have a north indicator**; please verify natural land marks such as lakes and rivers for proper alignment.
- o Be sure your computer meets the minimum system requirements.
- o **Minimum System Requirements:**
 - o Microsoft Windows 98/2000/XP Mac OS 9+ LINUX
 - o Pentium-300mhz + or equivalent
 - o 64 MB RAM
 - o HDD free space: 300 Mb for each photo 100 Mb of system disk space for a swap-file
 - o DVD-ROM Drive
 - o .tiff editing/viewing program

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

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9-5-77

3-71

GS-VEHJ

VV AS M 8 AMS 8 JUL 54 131

1370

www.g2/15176mm

VV AS M 8 AMS 8 JUL 54 131

1371

www.g2/15176mm

USGS
Science for a changing world

USGS NAPP
05-09-94 10:10:10MSI 2402

50000 S/N141307
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0057

9-5-94

79/8-57

NAPP

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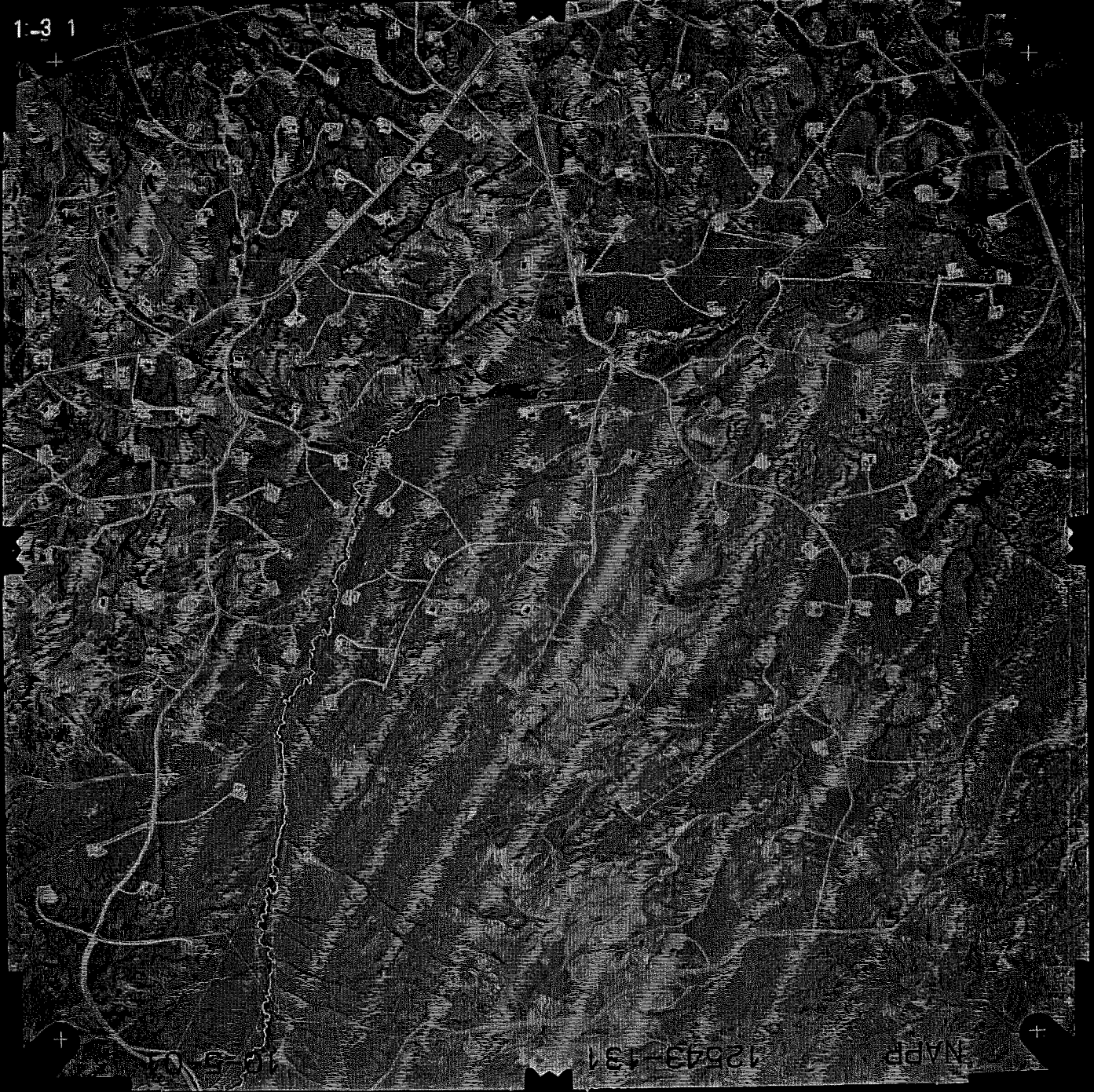
9-11-83

369 10 5

4 20 803 HAR 8



USGS
science for a changing world



Updip Area

BLM Road 5410

Boulder, WY 82923

Inquiry Number: 2979775.8

February 07, 2011

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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

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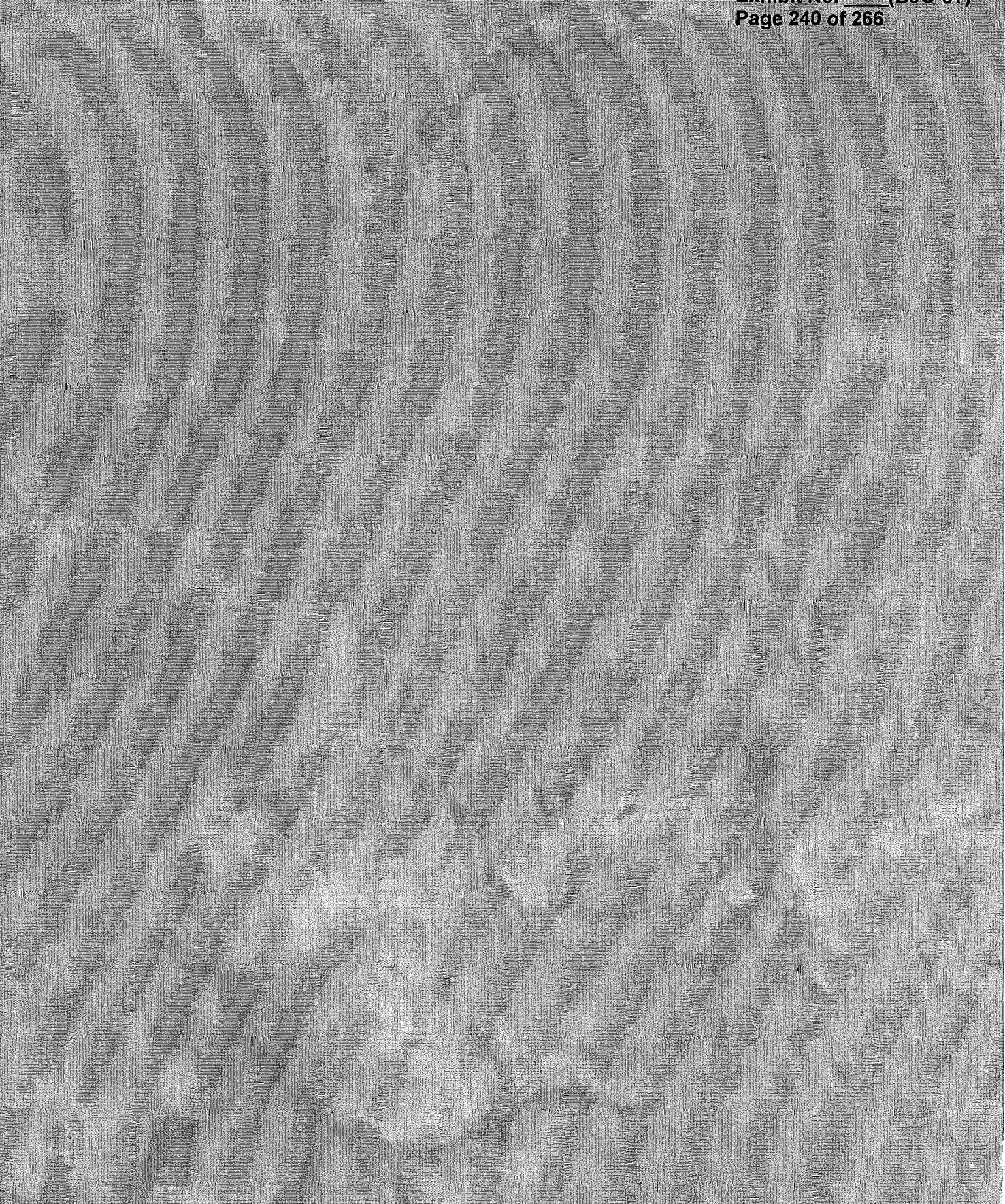
Date EDR Searched Historical Sources:

Aerial Photography February 07, 2011

Target Property:

BLM Road 5410
Boulder, WY 82923

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1983	Aerial Photograph. Scale: 1"=1000'	Panel #: 42109-D6, Stud Horse Butte, WY;/Flight Date: September 11, 1983	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 42109-D6, Stud Horse Butte, WY;/Flight Date: September 05, 1994	EDR
2006	Aerial Photograph. Scale: 1"=604'	Panel #: 42109-D6, Stud Horse Butte, WY;/Flight Date: January 01, 2006	EDR



INQUIRY #: 2979775.8

YEAR: 1983

| = 1000'





INQUIRY #: 2979775.8

YEAR: 1994

| = 750'



Appendix C.3
City Directory Abstracts

Downdip

BLM Road 5410
Boulder, WY 82923

Inquiry Number: 2979824.6
February 14, 2011

The EDR-City Directory Abstract

EDR CITY DIRECTORY ABSTRACT

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

NO COVERAGE

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

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Updip Area

BLM Road 5410
Boulder, WY 82923

Inquiry Number: 2979775.6
February 14, 2011

The EDR-City Directory Abstract

EDR CITY DIRECTORY ABSTRACT

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

NO COVERAGE

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

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Appendix C.4
Sanborn Fire Insurance Maps

Downdip

BLM Road 5410

Boulder, WY 82923

Inquiry Number: 2979824.3

January 31, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

1/31/11

Site Name:

Downdip
BLM Road 5410
Boulder, WY 82923

Client Name:

Environ Corporation
6001 Shellmound Street
Emeryville, CA 94608



EDR Inquiry # 2979824.3

Contact: Sharon Harichandran

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Environ Corporation were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Downdip
Address: BLM Road 5410
City, State, Zip: Boulder, WY 82923
Cross Street:
P.O. # NA
Project: NA
Certification # C8FF-4D0B-8FB1



Sanborn® Library search results
Certification # C8FF-4D0B-8FB1

UNMAPPED PROPERTY

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

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

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Updip Area

BLM Road 5410

Boulder, WY 82923

Inquiry Number: 2979775.3

February 01, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

2/01/11

Site Name:

Updip Area
BLM Road 5410
Boulder, WY 82923

Client Name:

Environ Corporation
6001 Shellmound Street
Emeryville, CA 94608



EDR Inquiry # 2979775.3

Contact: Sharon Harichandran

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Certified Sanborn Results:

Site Name: Updip Area
Address: BLM Road 5410
City, State, Zip: Boulder, WY 82923
Cross Street:
P.O. # NA
Project: NA
Certification # 81D9-4FB2-A459



Sanborn® Library search results
Certification # 81D9-4FB2-A459

UNMAPPED PROPERTY

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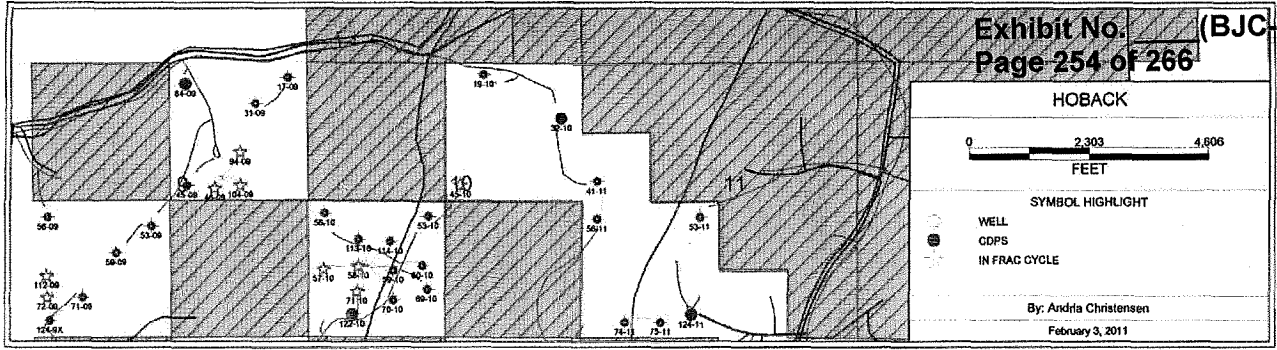
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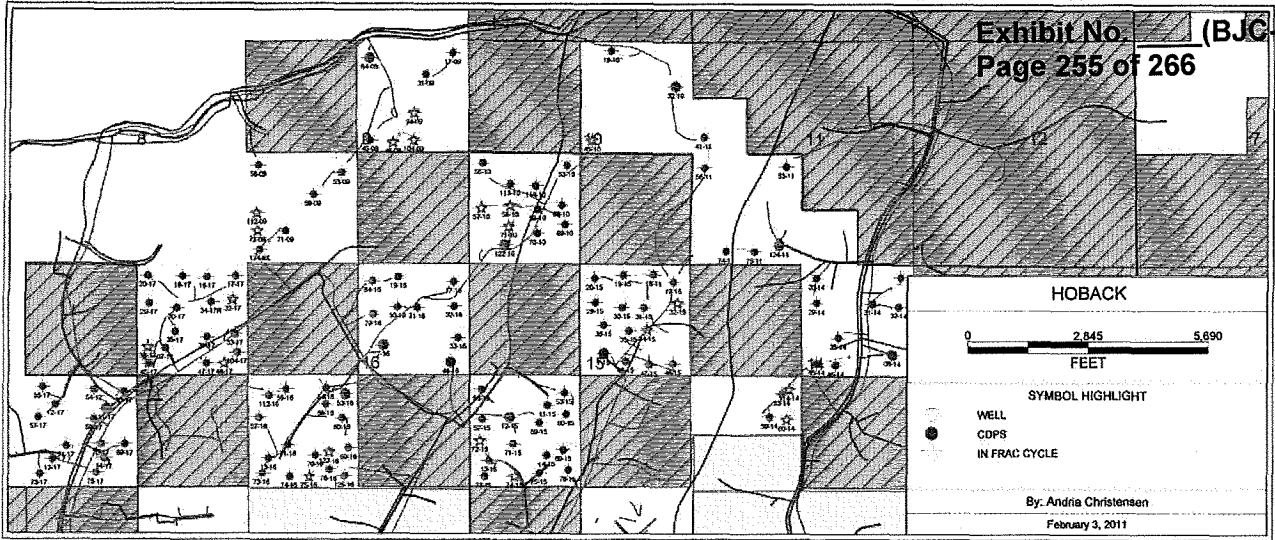
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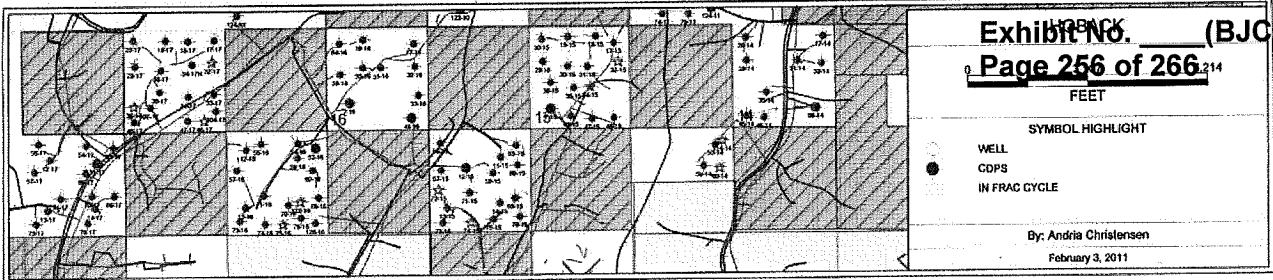
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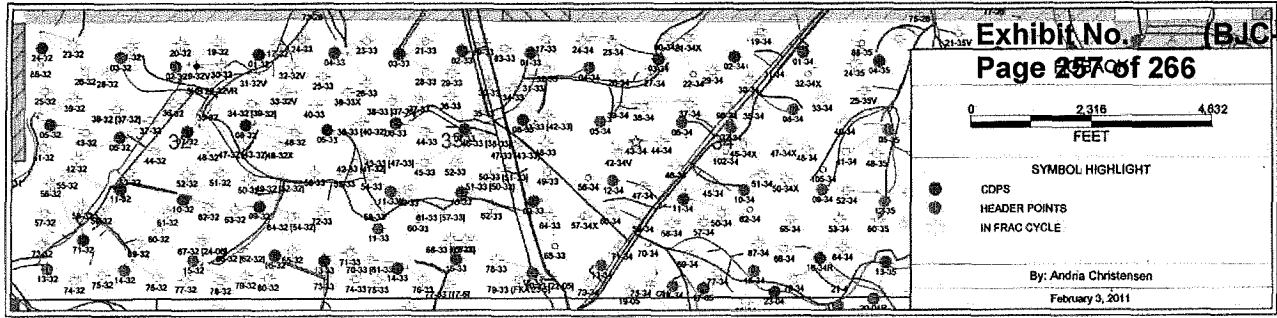
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Appendix D
Site Layouts









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Appendix E
Qualifications of Environmental Professionals

Sharon Harichandran

EDUCATION

- 2003 M.Sc., Environmental Pollution and Protection, Lancaster University, United Kingdom, *Distinction*
- 2001 BA, Integrative Biology, University of California, Berkeley

REGISTRATIONS & CERTIFICATIONS

OSHA 40-Hour Health and Safety Training

EXPERIENCE

Sharon Harichandran is a Senior Associate at ENVIRON Corporation. Her experience at ENVIRON has included the following:

Phase I Environmental Assessments and Environmental Due Diligence

- Conducted Phase I environmental assessments and limited regulatory compliance reviews of industrial, manufacturing, and commercial facilities throughout the United States. Inspected sites and interviewed personnel to assess any on-site or off-site environmental liabilities that may be associated with either past or current operations conducted at each site, and to evaluate facility compliance with federal and state regulatory requirements. Sites visited include: pulp and paper mills, a cogeneration plant, solid waste and wastewater disposal facilities, printing facilities, various manufacturing facilities, product warehouse and distribution facilities, maintenance and repair shops, biotechnology laboratories, and office buildings.
- Conducted tenant exit audits of biotechnology laboratories and research and development facilities in California for a real estate company to assess whether tenants' decommissioning procedures were appropriate from a health and safety standpoint and to determine whether the spaces were suitable for re-occupancy.

Prior to joining ENVIRON, Sharon served as a consultant with Environmental Strategies Consulting LLC in San Jose, California, where she:

- Conducted due diligence environmental assessments of industrial, manufacturing, and commercial facilities throughout the United States. Sites visited include: product warehouses, produce processing facilities, grape vineyards, restaurants, movie theaters, printers, metal forming and finishing facilities, medical centers and day treatment facilities, various manufacturing facilities, product warehouse and distribution facilities, and maintenance and repair shops.
- Audited treatment, storage, and disposal facilities in California for compliance with hazardous waste handling practices and compliance with Resource Conservation and Recovery Act regulations.
- Audited numerous coal bed methane facilities in Wyoming for compliance with National Pollutant Discharge Elimination System, State Engineers Office, and U.S. Army Corps of Engineers regulations.
- Planned, coordinated, and implemented various site characterization and field investigations in California involving impacted soil and ground water. Tasks included development of sampling and health and safety plans, oversight of field activities, sampling of environmental media for laboratory analysis, evaluation and interpretation of data, preparation of reports documenting the investigations, and management of project budgets.

Nick Walchuk, PG, REA

EDUCATION

1996 BA, Geology, University of California, Berkeley

REGISTRATIONS & CERTIFICATIONS

Professional Geologist: California, No. 8040

Registered Environmental Assessor: California, No. 7609

OSHA 40-hour Hazardous Waste Operations Training

EXPERIENCE

A Senior Manager in the Engineering/Geoscience group of ENVIRON's Emeryville, California office, Mr. Walchuk has nearly 15 years of consulting experience over a wide range of project areas, including: 1) environmental due diligence and compliance assessments associated with property transfer and redevelopment, and corporate mergers and acquisitions; 2) site characterization, including the design and management of soil, soil gas, and groundwater investigations, monitoring groundwater contamination, and evaluation of vapor intrusion issues; 3) facility decommissioning and tenant environmental audits; and 4) the development and implementation of corrective action plans under local, state, and federal regulatory programs.

Property uses at project sites have included multifamily residential properties, commercial office buildings, agricultural and industrial land intended for future redevelopment, and industrial sites ranging from light industrial warehouses to large paper mills. Contaminants of concern at sites where Nick has evaluated, conducted and directed soil, soil gas, and groundwater investigations include volatile organic compounds, petroleum hydrocarbons, heavy metals, dioxins, and pesticides.

Throughout his career, Nick has undertaken engagements with clients of varying types and backgrounds, including private landowners, real estate development companies, financial institutions, multinational industrial and manufacturing companies, state government, and law firms. His experience also includes pro bono assistance for non-profit housing organizations. Prior to joining ENVIRON in 2005, Nick held several positions including Director of Operations at a nationwide consulting firm, where he was responsible for a variety of aspects of the firm's everyday operation in addition to routine project oversight and client management. Representative examples of his project experience include the following.

- Nick serves as a regional manager of an environmental risk management program developed by ENVIRON for a major real estate investment trust (REIT) containing more than 100 properties with 200 tenants with biotechnical operations throughout the western and eastern United States. Various services are provided under the umbrella of the program, including: 1) environmental site assessments; 2) soil, soil gas, and groundwater investigations conducted pursuant to property acquisition, financing, or divestiture; negotiations and correspondence regarding environmental matters with regulatory agencies on behalf of the client; 3) tenant environmental audits to evaluate biotechnology tenant operations and facility closure/decommissioning procedures; and 4) providing general consulting services to assist the client's risk management division regarding environmental and site development matters.
- For a potential buyer of a lubricant and marine fuel supplier and distributor, Nick directed environmental compliance audits and environmental reviews of a portfolio of facilities located throughout the U.S. and Panama, including bulk petroleum storage facilities, and dockside marine fueling and storage facilities.

Nick Walchuk, PG, REA

- For a financing transaction, Nick conducted an environmental assessment of approximately 631,000 non-contiguous acres of timberland (nearly 1,000 square miles) within an approximately 16,000 square mile area across five counties in two states. In addition to the standard environmental due diligence components, the project also included an evaluation of cultural, historical, and ecological resources associated with the site. The large extent of the site required the development of a customized set of information resources and scope of work, and for the final deliverable, the creation of a unique accompaniment to the report that combined the use of GIS resources, site and historical resource review observations, regulatory database information, and publicly available online mapping tools.
- Nick conducted an environmental compliance audit and environmental assessment of a pulp and paper mill for the purposes of M&A due diligence on behalf of a major U.S. paper company.
- For a multinational corporation at an orphan site in the San Francisco Bay Area, Nick provided investigative and consulting services in support of regulatory case closure under the San Francisco Regional Water Quality Control Board's (RWQCB) Low-Threat Chlorinated Solvent Site guidance. The site was in long-term post-remedial monitoring status when the client took active responsibility for the site. Following Nick's development and implementation of soil gas and indoor air quality investigations and an evaluation of potential human health risks, the RWQCB rescinded the cleanup order for the site and issued case closure.
- For future residential redevelopment, Nick conducted directed Phase I environmental site assessments and subsequent Phase II assessments of a large portfolio of agricultural land in California's Central Valley.
- Nick assisted a major real estate investment trust with unique issues arising during site redevelopment at a San Francisco Bay Area site. An abandoned oil pipeline was discovered during site construction, and the resulting project required researching the history and ownership of the pipeline, as well as its removal from the property and associated soil sampling. Subsequent tasks included additional site characterization to delineate potential soil and groundwater impacts to support negotiations with the local oversight agency regarding a low-risk approach to site closure.
- Following management and completion of several ESAs for a prospective purchaser of properties within an area of commingled ground water contamination emanating from the subject sites and two NPL sites, Nick conducted soil, ground water, and soil gas data collection and associated evaluation and report preparation. Nick coordinated a subsequent human health risk assessment, and participated in calls between regulators, and sellers' and buyers' counsel to facilitate the implementation of land use restrictions at the sites, allowing ENVIRON's client to proceed uninhibited with the property transaction.
- Nick has provided assistance to Habitat for Humanity and other non-profit organizations in support of site redevelopment for affordable housing, including engagements on a pro bono basis. These projects have included environmental site assessment and reviews of historical information, evaluation of known and potential contamination concerns, site characterization and investigation including soil, soil gas, and groundwater sampling, and strategic support for state and local agency interaction prior to and during redevelopment.
- Managed the investigation and site characterization at a former World War II shipbuilding and repair yard, at which contaminants in the form of diesel, fuel oil, and related additives impacted soil and ground water along the San Francisco Bay shoreline. Mr. Walchuk assisted the property owner with obtaining city approval for redevelopment prior to full characterization of the site, provided support at city planning commission meetings,

Nick Walchuk, PG, REA

performed environmental project oversight, and coordinated with the property owner for subsequent site characterization after redevelopment.

- For a large developer and landowner, Nick provided oversight of a major remediation project in the Mission Bay Development Area of San Francisco, California. Project oversight included the active supervision of contaminated soil and ground water removal operations performed by the responsible party, participation in weekly stakeholder meetings, and interacting with local regulatory agencies and the responsible party on behalf of the property owner.
- For a major healthcare corporation, Nick provided assistance and coordination pursuant to closure of a former hospital facility's hazardous materials permits in Pinole, California, including the removal of a diesel-containing underground storage tank (UST). Following the removal of the UST and associated confirmatory sampling, the local oversight agency issued a No Further Action letter related to the former UST.
- For the purposes of the owner of a former nursery site prior to a sale of the property, Nick developed an "interim hotspot remediation" scope of work tailored to the client's desire to address soil contamination in the form of lead, arsenic, and pesticides in specific areas of the site, in advance of overall site characterization work by the purchaser and future change in land use. The project was successfully implemented and completed on time and under budget, allowing the property owner to proceed with the sale of the property.
- Planned, coordinated, and supervised the removal of over 150 underground storage tanks for private property owners and commercial businesses in the San Francisco Bay Area, including full upgrades of gasoline service stations. In addition to the construction activities related to removing or replacing tanks and infrastructure, projects often involved characterization of impacted soil and ground water, and a high degree of coordination and negotiation with both subcontractors and representatives of local and/or state agencies.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Member, Groundwater Resources Association of California

Allan J. DeLorme, PE

EDUCATION

- 1985 MSE., Environmental Engineering, University of Michigan
- 1984 BS, Civil Engineering, Northeastern University

REGISTRATIONS & CERTIFICATIONS

- Registered Professional Engineer; Maryland (Certification Number 19906)
- Registered Professional Engineer; Arizona (Certification Number 48972)

EXPERIENCE

Mr. DeLorme is Managing Principal of ENVIRON's Emeryville, California Business Unit and is one of five Regional Practice Managers (RPM) for the company's US due diligence practice area. He has over 22 years of consulting experience primarily directed toward: 1) environmental due diligence and compliance assessments associated with corporate mergers and acquisitions, property transfer and redevelopment, and corporate auditing programs; 2) the assessment of liabilities associated with contaminated sites for the development of private cost-recovery actions and insurance policyholder claims; 3) development of corrective action plans under state and federal regulatory programs; and 4) analysis and design of ground water and industrial wastewater treatment processes. He has extensive experience in providing consulting services to major corporations in numerous industrial sectors including: electric and gas utilities; chemicals and petrochemicals; pharmaceuticals; primary metals; water, wastewater, and waste management services; and commercial aviation. The following are representative examples of his experience.

- In his role as RPM, Mr. DeLorme has responsibility for managing the company's environmental due diligence operations on the West Coast. Responsibilities include the recruitment and training of staff, coordination and delegation of work assignments, quality assurance/quality control of project deliverables, and new business development. During his 20-year tenure at ENVIRON, Mr. DeLorme has personally conducted assessments at several hundred sites ranging from small commercial properties to large complex manufacturing facilities in virtually every industrial sector. He has particular expertise in the following industries: 1) electric power generation; 2) oil and gas production, processing and transmission; 3) chemicals and petrochemicals; 4) integrated manufacturing (e.g., automobiles, steel, aviation); and 5) semiconductor fabrication. The majority of these assessments have included the development of potential response costs associated with soil, groundwater, or surface water contamination, as well as the evaluation of facility compliance with environmental regulations and permitting requirements, the identification of necessary capital upgrades required to achieve or maintain such compliance, and the potential economic effects of future regulatory initiatives.
- Mr. DeLorme directed a Feasibility Study (FS) for the remediation of groundwater contaminated with ammonium perchlorate and various chlorinated volatile organic chemicals (CVOCs) at an 1,100-acre former rocket propellant manufacturing site in Southern California. As part of the FS, ENVIRON evaluated various in-situ and ex-situ remediation technologies including source excavation, groundwater pump and treat, permeable reactive barrier treatment, 2-Phase extraction, and bioremediation with respect to technical feasibility, protection of human health, long-term and short-term effectiveness, and cost.
- Mr. DeLorme directed an integrated site characterization and risk assessment program at a former chemical manufacturing complex located in Henderson, Nevada for purposes of

Allan J. DeLorme, PE

property redevelopment/reuse. The site had a 50-year history of chemical manufacturing and waste disposal operations including those related to products such as sodium perchlorate, organochlorine and organophosphorus pesticides, and various refined metals. As part of this assignment, Mr. DeLorme acted on behalf of his client as an interface with the Nevada Department of Environmental Protection (NDEP) to ensure that the program met NDEP requirements.

- Mr. DeLorme developed a response cost allocation scheme under CERCLA for a former manufactured gas plant site owned by an electric and gas utility. The site had an approximately 150-year manufacturing history including iron and steel production, coke and coke byproducts production, and manufactured gas production. The allocation scheme was used in litigation by the utility against various former owners/operators of the site.
- Mr. DeLorme developed a remedial action plan and a detailed assessment of liabilities for a former chemical manufacturing facility and manufactured gas plant which were the subject of cost recovery litigation. The remedial action plan addressed soil and ground water contamination by organic and inorganic constituents, off-site migration to adjacent surface waters, and potential human exposure pathways.
- Mr. DeLorme provided consultation to attorneys for a chemical manufacturer regarding potential liabilities and remedial action requirements at a formerly owned property. Tasks included the assessment of potential remedial action costs, development of allocation schemes, and the preparation of settlement offers.
- Mr. DeLorme conducted an assessment of the corporate environmental management program for the Tennessee Valley Authority's power generation business unit. As part of the assessment, Mr. DeLorme evaluated TVA's existing corporate management structure as well as its technical staff for its ability to efficiently manage liabilities associated with various environmental issues including soil and ground water contamination, regulatory compliance, and agency interface.
- Mr. DeLorme has directed multi-site due diligence assessments for a number of commercial carriers and contract aviation operations (fueling and maintenance) that have included facilities at many of the major international airports within the United States. These assessments have included the identification and assessment of soil and ground water contamination issues, as well as issues related to compliance with applicable federal, state and local environmental regulations. Mr. DeLorme also directed additional assignments with contract operators in development and implementation of a comprehensive environmental compliance program at their domestic facilities.
- Mr. DeLorme has directed detailed multi-site liability assessments and cost estimates for policyholders in numerous insurance coverage cases. Policyholders have included several major electric and gas utilities, as well as petroleum and petrochemical producers. Assessments included the development of site-specific remedial plans and cost estimates for ash ponds at coal-fired power plants, on-site solid and hazardous waste disposal facilities, manufactured gas plants, and disposal lagoons.
- Mr. DeLorme developed and implemented a comprehensive plan for the pretreatment of process wastewater at a metal finishing facility. As part of the plan implementation, Mr. DeLorme negotiated revised effluent discharge limits with the local regulatory authority.

In addition to his duties at ENVIRON, Mr. DeLorme has served as a Lecturer at Johns Hopkins University where he has taught graduate-level courses in process design for water and wastewater treatment.

Allan J. DeLorme, PE

Prior to joining ENVIRON, Mr. DeLorme held the following positions:

Senior Environmental Engineer, Swidler & Berlin

- In-house technical consultant at a law firm specializing in insurance litigation and settlement on behalf of corporate policyholders with contaminated industrial sites. Mr. DeLorme was responsible for directing all technical aspects of claim development including site regulatory analysis and projections of future Agency requirements, constructing cost estimates for potential future response actions, and presenting the technical components of the claim in settlement negotiations. During his tenure, Mr. DeLorme directed the technical component of several large multi-site claims for clients including multinational oil and gas producers, petrochemical manufacturers and electric power generators.

Process Engineer, McNamee, Porter & Seeley

- Designed and conducted pilot-plant studies for the design of industrial wastewater and hazardous waste treatment processes. Developed integrated treatment schemes and design parameters for physicochemical and biological unit operations.
- Conducted performance analyses of industrial and municipal wastewater treatment facilities for regulatory compliance with applicable NPDES statutes and Industrial Pretreatment Program (IPP) requirements.
- Tested and implemented innovative technologies for industrial wastewater treatment including effluent ozonation, fixed-film biological reactors, microbial selectors, and biological nutrient removal.
- Designed and implemented bench-scale treatability studies for industrial wastes to test the efficacy of physicochemical and biological treatment technologies.

Research Associate, University of Michigan

- Designed and conducted a research program for the analysis of transient conditions in anaerobic reactors pertinent to industrial and municipal waste treatment.
- Performed experimental studies to assess the biodegradation of organic contaminants in the environment.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Member, American Institute of Chemical Engineers, Environmental Division

Member, Tau Beta Pi, National Engineering Honor Society

Member, Chi Epsilon, National Civil Engineering Honor Society

PUBLICATIONS & PRESENTATIONS

DeLorme, A.J. 2009. Quantifying and Estimating Environmental Damages, Seminar on Quantifying Losses and Determining Applicability of Coverage, Chicago, IL. September 10.

DeLorme, A.J. 2009. Recent Developments in Vapor Intrusion, ASTM Standard 2600-08, Orange County Bar Association. February 5.

DeLorme, A.J. and J. Louie. 2003. Perchlorate: The New MTBE? An Introduction to Perchlorate Fate Transport and Remediation, San Francisco Bar Association, May 28.

Allan J. DeLorme, PE

- DeLorme, A.J. and J.S. Schlesinger. 2000. Environmental Due Diligence for Business Transactions. Chapter 1 in *New Solutions to Environmental Problems in Business and Real Estate Deals*. Practising Law Institute.
- DeLorme, A.J., and R.B. Kapuscinski. 1994. Metabolic Processes. Chapter 6 in *Wastewater Biology: The Life Processes*. Water Environment Federation.
- DeLorme, A.J., and S.J. Kang. 1992. Integrated processes for nutrient control. Chapter 15 in *MOP-8, Design of Municipal Wastewater Treatment Plants*. Water Environment Federation.
- DeLorme, A.J., and R.B. Kapuscinski. 1990. On performing experimental studies on transient states of continuous-flow methanogenic reactors. *Biotech. & Bioeng.* 35:746-750.
- DeLorme, A.J., T.S. Nielsen, M.S. Morris, and G. Ganapathi. 1990. Biological treatment of hazardous wastes. Chapter 5 in *MOP FD-18, Hazardous Waste Treatment Processes*. Water Pollution Control Federation.
- DeLorme, A.J., S.J. Kang, C.J. Englert, and C.D. Fifield. 1989. Anoxic selector for filamentous bulking control, BOD removal and nitrification of paper mill wastewater. In *Proceedings of the 44th Industrial Waste Conf.*, Purdue University. Ann Arbor, Michigan: Lewis Publishers, Inc.
- DeLorme, A.J., S.J. Kang, T.J. Astfalk, D. Jenkins, and W. Bailey. 1989. Biological nutrient removal at the Blue Plains Wastewater Treatment Plant. *Water Pollution Control Federation Annual Conference*, Oct. 14-19.