FINAL

ENVIRONMENTAL CONDITION OF PROPERTY REPORT

JOE A. SMALLEY
U.S. ARMY RESERVE CENTER (OK020)
1507 WEST LINDSEY STREET
NORMAN, OKLAHOMA 73069

Prepared For:

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FEBRUARY 12, 2007

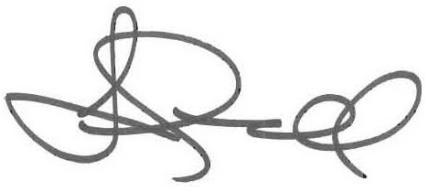
CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This ECP Report is in general accordance with the U.S. Department of Defense (DoD) requirements for completion of an Environmental Condition of Property (ECP) Report.

JAMES WHEELER II
Chief, Environmental Division
90th Regional Readiness Command

DATE

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP Report.



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February 22, 2007
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EXECUTIVE SUMMARY

The Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers, Louisville District, prepared this Environmental Condition of Property (ECP) Report for the Joe A. Smalley U.S. Army Reserve (USAR) Center (Facility ID OK020), hereafter referred to as the "Site" or "USAR Center." The Site is located at 1507 West Lindsey Street in Norman, Cleveland County, Oklahoma.

This ECP Report was conducted in conformance with primary Department of Defense (DoD) and Army guidance, the DoD's Base Redevelopment and Realignment Manual, DoD 4165.77-M, Army regulations and the American Society for Testing and Materials Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, as secondary guidance when it was not inconsistent with the primary guidance.

This ECP Report details the history of the Site, including the USAR and any prior tenant uses of the Site and the resulting environmental condition of property.

The USAR Center is on 4.24 acres of land with one permanent structure: the 29,674-square-foot Training Building and the attached 2,559-square-foot organizational maintenance shop. The USAR Center is currently occupied by the following units: 3-378-2-95th Division (Information Technology), 4003rd Garrison Support Unit, 370th Chemical Company 2nd Detachment, and 332nd Chemical Company 4th Detachment.

Based on a review of aerial photographs and U.S. Geological Survey topographical maps dating back to 1936, the Site was an undeveloped lot prior to the U.S. government's construction of the USAR Center in 1960. The U.S. government leased the property from several owners until it purchased it in 1991.

Areas of potential environmental concern were reviewed and the TEJV found no significant findings relating to the environmental condition of the Site. In accordance with DoD policy defining the classifications, (see S.W. Goodman Memorandum dated October 21, 1996), the Site has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public 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.

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List of Acronyms and Abbreviations

ACM	asbestos-containing material
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure Act
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CESQG	conditionally exempt small-quantity generator
CFR	Code of Federal Regulations
C-O	Commercial-Office
CORRACTS	Corrective Action Sites
DoD	Department of Defense
EBS	Environmental Baseline Survey
ECCI	Environmental, Compliance & Construction, Inc.
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FDIC	Federal Deposit Insurance Corporation
FEMA	Federal Emergency Management Agency
hazmat	hazardous materials
HVAC	heating, ventilating, and air conditioning
IT	Instructional Technology
kg	kilogram
LBP	lead-based paint
LQG	large-quantity generator
LUST	leaking underground storage tank
MEP	military equipment parking
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory

OCC	Oklahoma Corporation Commission
OMS	organizational maintenance shop
OWS	oil-water separator
Parsons	Parsons Engineering Science, Inc.
PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
PMT	pole-mounted transformer
POL	petroleum, oils, and lubricants
POV	privately owned vehicle
PWS	Public Water Supply
RCRA	Resource Conservation and Recovery Act
RCRAInfo	RCRA Information
RQ	reportable quantity
RRC	Regional Readiness Command
SQG	small-quantity generator
TEJV	Terraine-EnSafe Joint Venture
TSD	treatment, storage, and disposal
USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USAR	U.S. Army Reserve
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
VWR	vehicle wash rack

1.0 INTRODUCTION

The Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers (USACE) Louisville District, was authorized to prepare an Environmental Condition of Property (ECP) Report for the Joe A. Smalley U.S. Army Reserve (USAR) Center (Facility ID OK020), in response to the Base Realignment and Closure Act (BRAC) 2005 legislation. The work was performed under Contract No. W912QR-04-D-0044, Delivery Order No. 0008. The facility at 1507 West Lindsey Street in Norman, Cleveland County, Oklahoma, is hereafter referred to as the "Site" or "USAR Center." In support of the ECP, a visual reconnaissance of the Site was conducted on July 26 and 27, 2006. The purpose of the reconnaissance was to visually obtain information indicating the likelihood of recognized environmental conditions in connection with the Site.

1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY

The Military Department with real property accountability shall assess, determine and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense's (DoD's) policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- Provide the public with information relative to the environmental condition of the property.
- Assist in community planning for the reuse of BRAC property.
- Assist Federal agencies during the property screening process.
- Provide information for prospective buyers.
- Assist prospective new owners in meeting requirements under U.S. Environmental Protection Agency's (USEPA's) "All Appropriate Inquiry" regulations.
- Provide information about completed remedial and corrective actions at the property.
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive

Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more – specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity (RQ), whichever is greater, of the substances specified in 40 CFR 302.4 or one kg of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the RQ. Army Regulation 200-1 requires that the ECP Report address asbestos, lead-based paint (LBP), radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys* as a guideline when not inconsistent with the BRRM, CERCLA § 120, Army regulations and other applicable Army guidance.

1.2 SCOPE OF SERVICES

This ECP Report covers the 4.24-acre Joe A. Smalley USAR Center at 1507 West Lindsey Street in Norman, Oklahoma. The Site is in a developed, suburban area on the west side of Norman. The property is bounded to the south by West Lindsey Street. Properties to the south, east, and west along West Lindsey Street are commercial. Properties to the north and northeast are residential. A general Site location map, a Site map, flood plain and wetlands maps, and historical topographic maps and aerial photographs are provided in Appendix A. Appendix B provides photographs taken during the visual reconnaissance. Appendix C provides chain-of-title information. Historical environmental documents and reports and supplemental site documentation are included in Appendix D. The environmental database report is provided in Appendix E.

This ECP Report classifies the property into one of seven DoD Environmental ECP categories as defined by the S.W. Goodman Memorandum dated October 21, 1996. The property classification categories are as follows:

- Category 1: Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas).

- Category 2: Areas where only release or disposal of petroleum products has occurred.

- Category 3: Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.

- Category 4: Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken.

- Category 5: Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are underway, but all required remedial actions have not yet been taken.

- Category 6: Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.

- Category 7: Areas that are not evaluated or require additional evaluation.

1.3 ASSUMPTIONS AND LIMITATIONS

This report was prepared to permit formulation of an opinion of the environmental condition of the Site. Opinions on the environmental conditions at the Site are based on information from the Site reconnaissance, interviews, and collection and review of readily available information. New information or changes in Site use could require a review and possible modification of the findings and conclusions contained in this report.

The information obtained from the USAR, the USAR's representatives, individuals interviewed and prior environmental reports was considered to be accurate unless reasonable inquiries indicated otherwise. Conditions observed were considered representative of similar areas that were not accessible unless otherwise indicated.

This ECP Report presents a summary of readily available information on the environmental conditions of, and concerns relative to, the land, facilities, and real property assets at the USAR Center. Its findings are based on a record search of readily available documents, a thorough review of the applicable and relevant documents, a visual reconnaissance conducted on July 26 and 27, 2006, and interviews with personnel knowledgeable about the Site and its history. Extensive environmental investigations, reports, and Site historical documents were reviewed in support of this ECP. Information obtained from these other studies is reflected within this report by reference. A complete list of references is provided as Section 9.0.

All Site buildings were visually inspected during the Site reconnaissance. However, a 100% visual reconnaissance of each building (e.g., attics, crawl spaces, etc.) was not practical due to accessibility restrictions. No sampling or analysis of any media was conducted during this survey.

2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

The visual Site reconnaissance included a driving tour of the facility and the surrounding area, and a walking assessment of the developed area of the Site and all buildings. The visual Site reconnaissance was conducted by TEJV personnel on July 26 and 27, 2006, to field-verify information produced in the document review and to identify recognized environmental conditions of property.

A visual reconnaissance of the Site perimeter was conducted to evaluate adjacent property uses that could cause environmental contamination on the Site. TEJV personnel walked and drove on roads along the perimeter to visually identify any contiguous properties that appear, in the TEJV's professional judgment, to have contamination that could migrate to the Site. The findings of the perimeter survey are presented in Section 4.0.

2.1 SITE LOCATION

The Site address is 1507 West Lindsey Street in Norman, Cleveland County, Oklahoma (Figure 1 in Appendix A). The Site is in a developed, suburban area on the west side of Norman. Oklahoma University is located less than one mile east of the USAR Center. The property is bounded to the south by West Lindsey Street. Properties to the south, east, and west are commercial along West Lindsey Street. Properties to the north and northeast are residential.

2.2 ASSET INFORMATION

Facility Name and Address:	Joe A. Smalley USAR Center (OK020) 1507 West Lindsey Street Norman, Oklahoma 73069
Property Owner:	United States of America
Date of Ownership:	November 8, 1991
Current Occupants:	Joe A. Smalley USAR: • 3-378-2-95th Division (Instructional Technology [IT]) • 4003rd Garrison Support Unit • 370th Chemical Company 2nd Detachment • 332nd Chemical Company 4th Detachment
Zoning:	commercial-office (C-O)
County, State:	Cleveland County, Oklahoma
USGS Quadrangle:	Norman, OK

Section/Township/Range:	Section 36, Township 9 North, Range 3 West
Latitude/Longitude:	35° 12' 16.2" N; 97° 27' 50.8" W
Legal Description:	All those certain pieces or parcels of land being in Block 5 of Lydick's Second Addition to Norman in Section 36, Township 9 North, Range 3 West, lying and situated in the City of Norman, County of Cleveland, State of Oklahoma.

The USAR Center is situated on the parcel of land known as Assessors Parcel No.: SD70 9 1E 30001. A copy of the chain-of-title report, which includes a complete legal description, is provided in Appendix C.

2.3 PHYSICAL DESCRIPTION

A Site layout map of the USAR Center is provided in Figure 2 in Appendix A. Photographs of the Site and surrounding area are presented in Appendix B. Photographs 1 through 8 show the general layout of the Site buildings and grounds. Photographs 9 through 34 show specific rooms and conditions at the Training Building. Photographs 35 through 56 illustrate conditions of the organizational maintenance shop (OMS), military equipment parking (MEP) area, storage sheds, drainage patterns, and facility grounds. Photographs 57 through 63 show the land use of properties adjacent to the Site.

The USAR Center is on 4.24 acres of land with one permanent structure: the 29,674-square-foot Training Building and attached 2,559-square-foot OMS. Information obtained during the ECP dates the construction of the USAR Center as 1960. The USAR Center underwent renovations in the early 1990s, when a western addition to the Training Building was constructed that connected it to the OMS.

The USAR Center currently functions as an administrative and training facility. The Site is used by reservists for drill activities on various weekends throughout the year. The USAR Center is currently occupied by:

- 3-378-2-95th Division (IT)
- 4003rd Garrison Support Unit
- 370th Chemical Company 2nd Detachment
- 332nd Chemical Company 4th Detachment

The 4003rd Garrison Support Unit provides support to Ft. Hood administration and finance. The 370th 2nd Detachment is a chemical support asset with a Headquarters element in Fort Worth, Texas. The 332nd Chemical Company 4th Detachment is a chemical support asset with a Headquarter element in Fayetteville, Arkansas. The Training Building was occupied by several USAR personnel at the time of the visual reconnaissance. The Site has primarily functioned as an administrative and training facility throughout its history.

The Training Building and attached OMS are constructed with concrete block walls covered by brick veneer, then stucco veneer. The one-story building is situated on a concrete foundation. The appearance and general layout of Site buildings are shown on Photographs 1 through 4. Photographs 1 and 2 provide front views of the exterior of the Training Building. Photograph 3 is a view of the eastern side of the Training Building. Photograph 4 shows the view of the Site from the northeast corner of the property looking southwest.

A Site map of the USAR Center is provided as Figure 2 in Appendix A. Vehicle access to the Training Building is via a driveway from West Lindsey Street (Photograph 1). A privately owned vehicle (POV) parking lot is shown south of the western portion of the Training Building in Photograph 2. Another POV lot is east of the Training Building. Access to the eastern POV lot is from West Lindsey Street. Photograph 3 shows Wylie Road, the eastern POV lot, and the east side of the Training Building. The rear of the facility and the MEP is accessible via a driveway from Wylie Road, as shown in Photograph 4. The OMS and MEP area are situated within the northwestern portion of the property. A paved driveway extends from the eastern lot to the MEP area north of the Training Building. The OMS and MEP area are enclosed by a gated chain-link security fence topped with barbed wire. Photograph 5 shows the gated entrance to the MEP area. Photographs 6 and 7 both show the north side of the Training Building and OMS within the MEP area. Photograph 8 provides a view of the MEP area and west side of the OMS. A vehicle wash rack (VWR), a vehicle maintenance ramp, and portable storage units are shown within the MEP area. Approximately two-thirds of the Site is covered by impervious surface features (e.g., asphalt parking areas, driveways, concrete walkways, building footprints, etc.). The remaining ground surface is covered by a landscaped lawn area. Several ornamental trees are present along the front of the Training Building. Trees are also present along West Lindsey Street and Wylie Road.

Topographically, the Site is relatively flat. No signs of erosion, excavation, or fill were observed on the Site. Historical information suggests that some minor grading work was probably performed at the property during the original construction of the building and again during the early 1990s when the addition was constructed. It is unlikely that introduction of soil or fill material from an offsite source occurred during building activities.

The original Training Building, constructed in 1960, consisted of a one-story, offset L-shaped structure with administrative offices in the main part and a two-story Drill Hall in the north wing. In the early 1990s, the Training Building was extended to the west with the construction of a one and a half-story addition. That addition connected the OMS with the Training Building. The facility is currently an irregular-shaped multiple-level structure with two administration sections and a two-story Drill Hall connected by a one-story enclosed corridor. Figure 3 in Appendix A provides a layout of the interior of the Training Building.

The newer, west portion of the Training Building includes administrative offices, classrooms and restrooms (Photographs 9 through 11). The Drill Hall in the northeast wing of the Training Building includes the kitchen, exercise areas, and storage areas. The inactive

kitchen area consists of three rooms containing kitchen appliances and stored items (Photographs 12 and 13). Floor drains were noted in the kitchen area (Photographs 14 and 15). According to USAR personnel, the drains discharge to the sanitary sewer. Although the kitchen reportedly has not been used since at least 2001, cleaning chemicals were observed stored in it during the Site reconnaissance.

The Drill Hall was formerly used for dining when the attached kitchen was in service. The Drill Hall opening to the kitchen/scullery area is shown in Photograph 16. The Drill Hall shown in Photograph 16 is currently used for storage, training exercises, recreation, and social events. Cleaning chemicals were stored in the custodial closet located in the east wing of the Training Building (Photograph 17).

Many of the rooms in the older section of the Training Building are used for storage. These areas are equipped with storage cages containing training equipment for the various units. Photograph 18 provides a view of a typical storage room. An electric forklift is available for loading and unloading stored supplies. The Training Building has an arms storage vault located west of the Drill Hall (Photograph 19).

Two storage rooms within the Training Building have signs on their doors indicating that the rooms store radioactive material (Photograph 20). Keys to these rooms were not available during the visual reconnaissance; therefore the contents were not viewed. According to USAR personnel, these rooms contain special chemical agent sensing devices and equipment used by the 332nd Chemical Company. Storage rooms also contained general office supplies for the 4003rd Garrison Support Unit (Photograph 21).

A mechanical room is located within the older section of the Training Building. The room contained heating, ventilating, and air-conditioning (HVAC) systems, water heaters, chillers, and fire prevention system equipment (Photograph 22). The room is equipped with floor drains to convey the condensate/leakage from the various pieces of mechanical equipment to the public sanitary sewer system that serves the Site (Photograph 23 and 24). The condensate is piped directly from each piece of equipment to the closest floor drain to prevent water from accumulating on the floor.

A newer mechanical room is also located in the newer section of the Training Building, west of the Drill Hall. This newer mechanical room and the communication room are accessible from a door along the north wall of the Training Building (Photograph 25). The newer mechanical room contained HVAC system equipment and a water heater (Photographs 26 and 27). The room is equipped with floor drains to convey the condensate/leakage from the various pieces of mechanical equipment to the public sanitary sewer system that serves the Site. Photograph 28 shows a small stain near a floor drain from a past indoor oil leak from a water circulation pump. This staining is considered to be *de minimus*. The pump did not appear to be leaking at the time of TEJV's Site reconnaissance. The Training Building appeared to be well maintained. No evidence of significant chemical or petroleum releases was observed inside the building.

A chiller unit is located outside of the northeast corner of the building (Photograph 29). A grease trap associated with the kitchen is located outside the eastern wall of the Drill Hall (Photograph 30). A concrete wash basin with a drain is located adjacent to the grease trap (Photograph 31).

Electric power is provided to the Site by overhead utility lines from Oklahoma Gas and Electric. During the Site reconnaissance, electrical transformers were observed on the Site at three locations. One pad-mounted transformer was northeast of the Training Building (Photograph 32). Two pole-mounted transformers (PMTs) were observed along West Lindsey Street south of the Training Building (Photograph 33), and one PMT was west of the Training Building (Photograph 34). All the transformers appeared to be in good condition, with no evidence of leaks or corrosion.

The OMS is a one-story, rectangular structure connected to the northwest portion of the Training Building within the fenced MEP area. Two roll-up garage bay doors on the north side of the OMS open to the MEP area. Photograph 35 is a general view of the interior of the OMS showing bare concrete floor and concrete block walls. The OMS currently contains equipment, such as air compressors, and field training supplies (Photograph 36). Shelves contained miscellaneous maintenance supplies (Photograph 37). The OMS also contained empty drums and empty oily rag waste cans (Photographs 38 and 39). Observations indicate that limited vehicle maintenance was historically performed within the OMS. No vehicle maintenance is currently being conducted within the OMS.

One outdoor hazardous materials (hazmat) storage unit is located in the eastern portion of the MEP area as shown in Photograph 40. Photograph 41 shows the interior of the hazmat storage unit. A flammable materials storage locker is located within the hazmat storage unit. The hazmat storage unit contained paint, cleaning fluids, and lubricants (Photographs 42 through 45). An inventory of the contents of the hazmat storage unit, prepared during the visual Site reconnaissance, is included in Appendix D.

A yellow plastic portable storage container was located outside of the OMS (Photograph 46). This unit was labeled “used anti-freeze” and “used oil” and contained two empty 55-gallon drums.

A maintenance ramp, VWR, and associated oil-water separator (OWS) are located in the northwestern portion of the MEP area. Photograph 8 provides of a view of the MEP area from the southwest looking across the lot to the northwestern portion of the MEP area. The VWR is a steel post and frame structure with a metal canopy. The foundation is a concrete pad with a speed reducer at the VWR entrance and a perimeter of 6-inch curbing along three sides of the VWR to limit storm water intrusion. The VWR has an associated OWS that receives wash/rinse water (Photographs 47 and 48). During the visual Site reconnaissance, the OWS appeared to contain some water, but sludge, petroleum slicks, and sheens were not observed. The OWS did not emit a petroleum odor.

Six portable storage containers are located in the northern portion of the MEP area (Photographs 49 and 50). The units were locked and not accessible at the time of the visual Site reconnaissance. According to USAR personnel, the containers likely contain equipment and supplies for the various units of the USAR Center. Only one military vehicle - a Humvee - was located within the MEP area during the visual Site reconnaissance.

An open concrete culvert is located adjacent to and west of the MEP area (Photograph 51). This culvert is associated with the residential neighborhood to the north of the Site. The culvert runs underneath the adjacent church parking lot and empties into the drainage ditch along West Lindsey Street. Storm water from the Site does not enter this drainage feature.

2.4 SITE HYDROLOGY AND GEOLOGY

2.4.1 Surface Water Characteristics

Figure 1 in Appendix A provides a topographic map of the Site and surrounding area. As shown on the map, the Site is approximately 1,150 feet above mean sea level. The site slopes to the south. Runoff from the northern MEP area flows to a trench drain along the north side of the Training Building and OMS (Photograph 6). The trench drain empties into an open concrete culvert located along the western side of the Training Building (Photograph 52). An open ditch extends from the southwest corner of the Training Building to a ditch along West Lindsey Street (Photograph 53). An open ditch drains runoff from the eastern POV lot toward the ditch along West Lindsey Street (Photograph 54).

The Site drains south toward an open road ditch along West Lindsey Street, the Site's southern boundary (Photographs 55 and 56). Once runoff reaches the road ditch, it flows toward Imhoff Creek, located one-third mile east of the Site. Imhoff Creek flows south and ultimately discharges into the Canadian River, located 2 miles south of the Site. No surface water bodies are on or adjacent to the Site.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for the City of Norman, Oklahoma, the Site is in Zone X. Zone X is defined by FEMA as "areas determined to be outside 500-year flood plain." Figure 4 in Appendix A is a map depicting the extents of the nearest 100-year and 500-year flood plains in the Site area.

2.4.2 Hydrogeological Characteristics

Information concerning area soils was obtained from the Cleveland County U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS) office. Figure 5 is a soils map for the Site and surrounding areas. The predominant soil type on the Site is Vanoss-Urban land-Norge complex, 0 to 3% slopes

The parent material for this soil complex consists of loamy alluvium. The runoff class for the Vanoss soil is low and it is well drained. The runoff class for the Urban land component of this complex is very high. The runoff class for Norge soil is medium and it is well drained.

Site soils are classified as Hydrologic Group Class B, which is categorized as having soils that are deep and moderately deep, moderately well- and well-drained soils, with moderately coarse textures. Site soils are not flooded or ponded. Site soils are not included on the national hydric soils list. There are no wetlands on or near the Site according to Figure 6 in Appendix A, which is a copy of the National Wetlands Inventory (NWI) Map of the Site area, obtained from the Oklahoma Water Resources Board.

No wells or springs were observed on the Site, nor were any wells identified on the Site during a search of the U.S. Geological Survey (USGS), Federal Reporting Data System Public Water Supply (PWS) System, and state databases. A database search was also conducted for wells within one mile of the Site (see the Environmental Data Resources, Inc. [EDR] environmental database report in Appendix E).

One PWS well was identified within one mile of the Site according to the databases researched by EDR. The identified PWS well was reported to be between one-half and one mile west of the Site. However, based on the address information provided, the PWS well is located 15 miles south of Norman at the Blue Jay Mobile Home Park in Purcell, Oklahoma.

Twenty-five federal USGS wells and 96 other wells within one mile of the Site were also listed on databases researched. The identified federal USGS wells were reported to be between one-eighth and one mile from the Site. Well depths range from 10 to 521 feet, with an average depth of 80 to 100 feet. Shallower wells are installed into terrace deposits and alluvium, while deeper wells extend into the Garber Sandstone aquifer. The remaining 96 wells within one mile of the Site are predominantly shallow (typically 15 to 30 feet deep) monitoring wells installed for site assessment purposes at underground storage tank (UST) sites.

Six domestic water wells are located within one mile of the Site. Those wells range in depth from 40 to 180 feet. Physical observations in the field and additional report research indicate that the presence of these listed wells do not identify other sites or conditions that present a potential risk to the Site.

Based on the information presented above, the depth to groundwater is presumed to be 15 to 30 feet at the site. Groundwater flow for the water table aquifer is likely east toward Imhoff Creek located one-third mile from the Site. The flow of deeper aquifers would be southwest toward the Canadian River located 2 miles from the site.

2.5 SITE UTILITIES

The Site and surrounding area are served by public utilities. The City of Norman provides potable water and sanitary sewer service. Oklahoma Gas and Electric provides natural gas and electricity to the Site. The City of Norman provides municipal solid waste service.

2.6 WATER SUPPLY WELLS AND SEPTIC SYSTEMS

As described in Section 2.4.2, there are no PWS wells within one mile of the Site. Because the Site is served by a public sanitary sewer system, there are no septic systems on the Site, and no known systems were identified in the area.

3.0 SITE HISTORY

3.1 HISTORY OF OWNERSHIP

Land titles for the Site were reviewed back to 1907. Appendix C contains a historical chain-of-title report completed for the Site. Key historical deed transfers of the Site for the past 60 years are as follows:

- February 20, 1957 — C.S. Lydick to Lydick's Second Addition, Inc.
- February 1, 1959 — Lydick's Second Addition, Inc. to R.E. Barbour
- January 15, 1963 — R.E. Barbour to Juel Sweatte
- February 20, 1988 — Juel Sweatte to American Exchange Bank
- March 4, 1988 — Federal Deposit Insurance Corporation (FDIC) — American Exchange Bank to FDIC
- March 4, 1988 — FDIC to Odis Partners
- April 6, 1989 — Odis Partners to the Bethel Baptist Church
- November 8, 1991 — Bethel Baptist Church to United States of America

According to the chain-of-title report, the United States of America purchased the property from the Bethel Baptist Church on November 8, 1991. According to USAR personnel, the USAR Center owns the property and the Site building. Information obtained during this ECP dates the construction in 1960. The United States of America leased the property from several owners until it was purchased in 1991 by the U.S. government. No environmental liens, institutional controls, or engineering controls were found on record.

3.2 PAST USES AND OPERATIONS

Based on available information, important events in the facility's development, administration, and mission are summarized in Table 1.

Table 1
Historical Summary of the Joe A. Smalley USAR Center

Year	Description
1960	United States of America began leasing the Site property
1960	Training Building and OMS constructed
Early 1990s	Addition constructed joining Training Building with OMS
1991	United States of America purchased Site property
2006	Site currently an active USAR Center

The OMS was unoccupied at the time of the Site reconnaissance, but has historically been used for vehicle maintenance. The USAR Center is equipped with a VWR, vehicle maintenance ramp, and OWS in the northwest portion of the MEP area. According to USAR personnel, the wash rack and maintenance ramp have not been used since 2001. A 1989 map of the USAR Center included in the *Historic Architectural Resources Assessment* for the facility shows that a VWR and associated OWS were once located east of the OMS building. However, the VWR, OWS, and all associated piping were removed prior to the construction of an addition to the Training Building in the early 1990s. The *Historical Architectural Resources Assessment* included in Appendix D.

Historical topographic maps and aerial photographs provide information about the Site and surrounding area. The Site and surrounding area are located on the Norman USGS topographic quadrangle map. Figures 7 through 13 are topographic maps dated 1936, 1948, 1951, 1965, 1975, 1983, and 1995, respectively. Figures 14 through 20 are aerial photographs of the Site and surrounding areas dated 1943, 1963, 1969, 1984, 1990, 1995, and 2004, respectively.

Pertinent observations on the historical USGS maps are summarized below.

- **1936 (Figure 7)**. The Site is located southwest of the developed area of Norman. The road bounding the property to the south is not labeled, but appears to be where West Lindsey Street is now located. The Site appears to be part of a large tract of undeveloped land in the southeast section 36. No structures are shown on the property and only one structure is shown to the south across West Lindsey Street.

- **1948 (Figure 8).** The Site property and surrounding properties appear to be similar to 1936 topographic map.

- **1951 (Figure 9)**. The Site property remains undeveloped. The road bounding the property to the south (West Lindsey Street) is now labeled 74A. Southeast section 36 remains undeveloped. More development is shown east of the Site within Norman. Additional structures are shown along Boyd Street to the north and west along West Lindsey Street and what is now McGee Street. Two structures are shown across West Lindsey Street south of the Site.

- **1965 (Figure 10)**. The Site property is developed and is shown to be within the city limits of Norman, at the intersection of West Lindsey Street and Wylie Road. The Site appears to be within a mixed residential-commercial area of west Norman. Developed suburban streets are shown north and east of the Site; these areas are denoted as densely developed. The map shows both the Training Building and OMS. Commercial buildings are shown west of the Site. A church is located to the south across West Lindsey Street. A manmade waterway is shown along the south side of West Lindsey Street. A strip mall across West Lindsey Street to the southwest of the Site is also evident.

- **1975 (Figure 11).** The Site and surrounding properties appear to be similar to that shown in the 1965 topographic map, but the surrounding area has undergone intense development. West Lindsey Street appears to have become a commercial corridor with multiple new buildings on both sides of the street and along connecting side streets. The strip mall to the southwest has been expanded and several new buildings are present to the southeast.

- **1983 (Figure 12).** The Site and surrounding properties appear similar to those shown in the 1975 topographic map, but further development of properties within the surrounding area is shown.

- **1995 (Figure 13).** The Site and surrounding properties are shown to be within a densely developed area. Details regarding the Site are not shown.

Pertinent observations on the historical aerial photographs are summarized below.

- **1943 (Figure 14).** The Site appears to be part of a farm field situated west of Norman. Surrounding properties also appear to be agricultural fields. A farm and associated buildings are located south of the Site. An orchard is located northeast of the Site along Berry Road, 0.25 miles east of the Site. Residential development within Norman is visible east of Berry Road.

- **1963 (Figure 15).** The Site appears to be developed. The USAR Training Building, OMS, the MEP area, and POV parking lots are visible. New development along West Lindsey Street is apparent. Two buildings are shown west of the Site. The property to the east across Wylie Road is developed. The property to the south remains agricultural. Property directly north of the Site appears to be undeveloped, maintained yard areas associated with the housing development to the north. New residential roads and structures are located further north and east of the Site.

- **1969 (Figure 16).** The USAR Center appears as it did in the 1963 aerial photograph. Increased residential and commercial development has occurred in the surrounding area. A strip mall is shown developed to the southwest across West Lindsey Street.

- **1984 (Figure 17).** The USAR Center appears as it did in the 1969 aerial photograph, but surrounding areas are now fully developed. The residential area to the north has been expanded south to the Site's northern property line. The Site is within a densely developed mixed commercial and industrial part of Norman. Commercial properties are along West Lindsey Street, and residential developments are on smaller, connecting streets.

- **1990 (Figure 18).** The USAR Center and surrounding areas appear as they did in the 1984 aerial photograph. The Training Building, OMS, MEP area, and POV lots are discernible. Land use in the surrounding area appears to be unchanged.

- **1995 (Figure 19).** The USAR Center appears to have undergone major renovations. A western addition to the Training Building connects it to the OMS. A disturbed area northwest of the OMS is present, but is likely the result of the construction activities associated with the addition. Land use in the surrounding area appears to be unchanged.

- **2004 (Figure 20).** The USAR Center appears similar to the current conditions. The Training Building, attached OMS, MEP area, and POV lots are visible. Land use in the surrounding area remains mixed commercial and residential.

Historical Sanborn fire insurance maps were not available for this Site. Available business directories including city, cross-reference, and telephone directories were reviewed, if available. TEJV personnel visited the Norman Public Library to research available historical information regarding the Site. Available business and telephone directories were reviewed back to 1960. The Smalley USAR Center at 1507 West Lindsey Street is listed in the 1960 and 1967 *Norman Cross Index* directories and the 1979 and 1994 telephone directories. Information pre-dating 1960 was not available through EDR or at the Norman Public Library.

The 1960 and 1967 *Norman Cross Index* directories indicate that the Site was located in a commercial area during that time. Various retail stores, service stations, churches, restaurants, and banks were listed in the vicinity of the Site address. Copies of library source information are included in Appendix D. *The EDR-City Directory Abstract* is included in Appendix E.

3.3 PAST USE, STORAGE, DISPOSAL, AND RELEASE OF HAZARDOUS SUBSTANCES

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with USAR personnel.

3.3.1 Past Use and Storage of Hazardous Substances

Chemicals formerly used and stored at the Site were associated with vehicle and facility maintenance activities and janitorial services. Janitorial chemicals and building maintenance-related products would have historically been stored in the designated storage area within the janitorial closet in the Training Building. Organizational level maintenance of tactical vehicles has occurred at the Site for the majority of its developed use. Documentation concerning practices for the past use and storage of petroleum products associated with vehicle maintenance is not available. Vehicle maintenance products and petroleum, oil, and lubricants (POL) were likely stored in the designated areas within the OMS.

Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Site for one year or more in excess of corresponding RQs.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with USAR personnel. According to USAR personnel and Site records, onsite disposal of hazardous materials or wastes has not occurred at the Site. No stained soil or stressed vegetation as a result of waste disposal was observed during the visual Site reconnaissance. Additionally, the MEP area and POV parking area did not show any signs of staining. Organizational level maintenance of tactical vehicles has occurred at the Site for the majority of its developed use. Documentation concerning past practices for the disposal of petroleum products associated with vehicle maintenance is not available.

3.4 PAST BULK PETROLEUM STORAGE TANKS

Based upon a review of available Site records, a search of federal and state environmental databases, and interviews with USAR personnel, it does not appear that bulk petroleum aboveground storage tanks (ASTs) and/or USTs have been used by the USAR at this location.

3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS

A review of Site records produced several reports pertaining to the Site. The following subsections provide a brief summary of these reports. Pertinent sections of the reports that addressed multiple sites, unless otherwise noted, are presented in Appendix D.

3.5.1 Environmental Baseline Survey

An Environmental Baseline Survey (EBS) was completed for the Site in October 2004. Environmental, Compliance & Construction, Inc. (ECCI) issued an *Environmental Baseline Survey for Joe A. Smalley United Sates Army Reserve Center* in February 2006. The EBS was performed for the USAR, 90th Regional Readiness Command (RRC), and provides summary and general information about the Site. “In accordance with the ASTM Standard D 5746-98 for *Standard Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities,”* ECCI classified the Site as an ECP Area Type 1 Property.

3.5.2 Architectural Assessment

Parsons Engineering Science, Inc. (Parsons) performed a *Historic Architectural Resources Assessment of the 90th Regional Support Command Facilities in Oklahoma* for the Department of the Army, 90th RRC. The findings of the assessment were compiled in a report issued February 1998. The report concluded that, although the original Training Building met the 50-year age consideration, it had been extensively altered and had "lost its integrity of design, materials, workmanship, and feeling." Therefore, it was not eligible for placement on the National Register of Historic Places. No further architectural surveys were recommended for this Site. The Oklahoma State Historic Preservation Officer concurred with the report recommendations in a letter dated February 2, 1998.

3.5.3 Radon

The TEJV was provided a one-page document listing radon screening results. According to the document, radon screening tests were performed in June 1990 at six locations within the Training Building. Results ranged from 0.40 to 1.0 picocuries per liter (pCi/L).

3.5.4 Asbestos

An asbestos inspection was performed at the Site in September 1997 by the USAR. The results were summarized in a report titled A*sbestos Building Inspection, Joe A. Smalley U.S. Army Reserve Center, Norman, Oklahoma*, issued September 1997. As part of the inspection, 13 samples were collected for asbestos analysis. Four of the 13 samples collected contained asbestos. Samples of the older floor tile and mastic in the Training Building and OMS tested positive for asbestos. According to the report, none of the asbestos-containing material (ACM) identified was classified as friable, and the non-friable ACM was determined to be in damaged condition with a moderate potential for disturbance. An estimate of the amount of ACM present within the USAR Center was not provided in the report.

3.5.5 Threatened and Endangered Species

No reports or information were discovered or made available concerning any threatened and endangered species habitat analysis for the USAR Center. A search of the U.S. Fish and Wildlife Service (USFWS) Web site and the USEPA Endangered Species Protection Program database indicated the following federal and state-listed threatened and endangered species with occurrences in Cleveland County:

- American peregrine falcon *(Falco peregrinus anatum)*
- Arkansas River shiner *(Notropis girardi)*
- Bald eagle (*Haliaeetus leucocephalu*s)
- Black-capped vireo *(Vireo atricapilla)*
- Least tern (*Sterna antillarum)*
- Piping plover *(Charadrius melodus)*
- Whooping crane (*Grus americana*)

The Arkansas River shiner is an aquatic species; consequently, there is little potential for this species to be on the USAR Center property. The other species are transient bird species, which could potentially land on the property. However, the highly developed nature of the Site and the adjacent areas does not represent suitable habitat for any of these species. Consequently, there is little potential for these species to exist on the property or adjacent properties.

3.5.6 Cultural Resources

Parsons performed assessments and prepared a report entitled *Management Summary, Cultural Resources Assessment of 90th Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma and Texas* for the Department of the Army. The assessments were compiled and issued in February 1998. The assessments concluded that there were no architectural issues at the Site, which is not eligible for the National Register of Historical Places due to extensive remodeling. The Site was listed as having "low" archeological potential. An archeological survey was not recommended for the Site.

3.5.7 Polychlorinated Biphenyls

The U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) performed a *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97* for USAR facilities in Arkansas, Louisiana, Oklahoma, New Mexico, and Texas. The assessments were compiled and issued September 30, 1997. The assessment addressed a pad-mounted transformer and PMTs west of the Training Building, as well as fluorescent lights in the Training Building. The PMTs are owned by Oklahoma Gas and Electric and their condition was listed as good with no leaks. All transformers were reported as non-PCB-containing. The fluorescent lighting fixtures were identified as non-PCB-containing units in the USACHPPM report.

3.5.8 Oil-Water Separator Evaluation

EnSafe Inc. performed an OWS evaluation at the Site in January 2000 and prepared a report entitled *Oil/Water Separator Evaluation* for the USAR 90th RRC. The assessments were compiled and issued in May 2000. The report indicated the presence of an OWS and associated VWR located in the northwest portion of the property. That OWS received wash/rinse water from the washing of military vehicles and equipment. The report indicates that the VWR had not been used regularly since 1998. The OWS was a 5,600-gallon, open-top, concrete rectangular structure, with a series of concrete weirs and baffles that create several separation zones. Fluid entered the OWS through an 8-inch pipe and flowed over two concrete weirs before flowing under a concrete oil retention baffle. Fluid flowed over one additional weir before exiting to the sanitary sewer system through an 8-inch outlet pipe. At the time of the evaluation, no records or manifests documenting OWS cleaning/servicing were available. The report indicates that the effluent discharged to the City of Norman sanitary sewer system. Discharge was covered under the City's pretreatment ordinance, which limited the concentration of specific pollutants that may be

discharged into its system. However, no reporting or monitoring was required. The report included recommendations regarding OWS maintenance and inspection.

4.0 ADJACENT PROPERTIES

Figure 21 is a plat map of the area which shows the Site and adjacent properties. The Site is bounded to the south by West Lindsey Street. Cocina de Mino Mexican Restaurant is located directly across West Lindsey Street. The Site is bounded to the east by Wylie Road, beyond which is the Arvest Bank Plaza. A residential development is located north of the Site. The backyards of houses along Lindale Circle are adjacent to the Site's northern property boundary. The original Bethel Baptist Church was located on the adjacent western property. The original church building was recently torn down to create a parking lot for a new church. A Sonic restaurant is located beyond the parking lot to the west. The new Bethel Baptist Church is located west of the Sonic restaurant.

The Site is zoned C-O, as shown on the Land Use Map (Figure 22). Surrounding properties to the west, south, and southeast are zoned commercial. Properties to the north and northeast are zoned residential. Figure 22 also provides a 2005 detailed aerial view of the Site and surrounding area. Table 2 provides a list of adjacent properties with their directional location from the Site and zoning. Photographs 57 through 63 in Appendix B present views of adjacent properties and surrounding land use.

Table 2
List of Adjacent Properties

Direction From Site	Name/Type of Property	Addresses	Zoning
North	Residential Development	Lindale Circle	Residential (R-1)
West	Bethel Baptist Church Lot	West Lindsey	Commercial (C-2)
South	Cocina de Mino Restaurant (S) First State National Bank (SW) Pizza Hut (SE)	West Lindsey	Commercial (C-2)
East	Arvest Bank Apartments Elroy House	West Lindsey Wylie Road Wylie Road	Commercial (C-2) Residential (R-3) Residential (R-1)

Appendix A provides historical aerial photographs and topographic maps. Appendix E presents an environmental database report that was used to evaluate potential environmental impacts from adjacent and nearby properties that may have also impacted the environmental conditions at the Site. Development of adjacent properties does not appear to have impacted the environmental conditions of the USAR Center.

5.0 REVIEW OF REGULATORY INFORMATION

A component of the ECP is the review of all reasonably obtainable federal, state, and local government records for the Site and surrounding properties where there has been a release or likely release of a hazardous substance or petroleum product that is likely to cause or contribute to a release or threatened release of any hazardous substance or petroleum product on the federal real property. An environmental database summary was obtained from EDR on July 18, 2006. The environmental database summary consolidates standard federal, state, local, and tribal environmental record sources based on ASTM D 6008-recommended minimum search distances from the Site. A copy of the complete environmental database report is included in Appendix E.

There were no environmental permits issued for the Site; therefore, there were no permit applications or associated permit documentation available for review. There were no known contamination events on the Site that required an environmental cleanup; therefore, the Site did not participate in the Installation Restoration Program, Military Munitions Response Program, or a Compliance Cleanup program.

TEJV interviewed local authorities and reviewed reasonably accessible USAR environmental documents, Oklahoma Corporation Commission (OCC) files, City of Norman records, and historical aerial photographs and maps to investigate environmental conditions at the Site and surrounding areas. Available information on potential impacts of environmental conditions on the Site was assessed. TEJV interviewed USAR, USDA NRCS, and City of Norman Geographical Information System Department personnel about the Site.

The interviews included topics of general environmental interest and specific areas of interest identified during the records review and visual reconnaissance. Copies of the interview reports are included in Appendix D. Pertinent information from these interviews is incorporated into this report.

5.1 FEDERAL ENVIRONMENTAL RECORDS

5.1.1 Federal National Priorities List Sites within One Mile

The National Priorities List (NPL) is a USEPA list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the U.S. and its territories. NPL sites are targeted for long-term remedial action under CERCLA. According to the environmental database report, the USAR Center is not a NPL site and there are no such sites located within one mile of the Site.

5.1.2 Federal CERCLIS Sites within One-Half Mile

The CERCLA 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 CERCLA. CERCLIS contains sites that

are either proposed to be or are on the NPL, and sites that are in the screening and assessment phase for possible inclusion on the NPL.

CERCLIS No Further Remedial Action Planned (NFRAP) sites have been removed and archived from CERCLIS sites. NFRAP status indicates that, to the best of USEPA's knowledge, assessment at a site has been completed and no further steps will be taken to list this site on the NPL unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with the site; it means that, based on available information, the location is not judged to be a potential NPL site.

According to the environmental database report, the USAR is not a CERCLIS site and there are no CERCLIS or CERCLIS NFRAP sites located within one-half mile of the Site.

5.1.3 Resource Conservation and Recovery Act Corrective Action Sites within One Mile

Resource Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS) represent facilities that have generated or managed hazardous wastes and require corrective action. According to the environmental database report, the USAR Center is not a CORRACTS. No CORRACTS were identified within one mile of the Site.

5.1.4 RCRA Transport, Treatment, Storage, and/or Disposal Facilities within One-Half Mile

The RCRA Information Database (RCRAInfo) includes selective information on sites that generate, transport, and treat, store, and/or dispose of hazardous waste, as defined by RCRA. According to the environmental database report, the USAR Center is not a RCRA treatment, storage, and disposal (TSD) site and there are no TSD sites located within one-half mile of the USAR Center.

5.1.5 Federal RCRA Small- and Large-Quantity Generators List within One-Quarter Mile

Conditionally exempt small-quantity generators (CESQGs) generate less than 100 kg of hazardous waste, and less than 1 kg of acutely hazardous waste, per month. RCRA small quantity generators (SQGs) are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste per month and less than 1 kg of acute hazardous waste, while a large-quantity generator (LQG) is defined as a facility generating more than 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste, per month or less than 1 kg of acute hazardous waste.

The USAR Center is listed as a CESQG on RCRAInfo. According to USAR personnel, USAR Centers obtained the classification as a matter of administrative policy rather than

need. No waste-generating activities were conducted on the Site. No violations were reported in the environmental database report.

According to the environmental database report, Sharps Cleaners is located 457 feet west of the USAR Center. This drycleaner business is listed as a SQG. No violations were reported for the site on the environmental database report. During the visual reconnaissance, the actual location of this business was determined to be within the strip mall southwest of the Site. Sharps Cleaners is located on the western end of the strip mall; therefore, the actual distance from the USAR Center is approximately 1,000 feet. TEJV personnel contacted Sharps Cleaners via telephone on September 18, 2006, to obtain additional information regarding the SQG listing. Sharps Cleaners personnel stated that the business has not performed dry cleaning at this store for almost two years. The store serves only as a drop-off and pick-up point for laundry. All dry cleaning is performed at its main store near downtown Norman, located over one mile from the USAR Center. Therefore, this SQG site is considered to present a low risk to the USAR Center due its current use, regulatory status (no violations), location with regards to distance from the Site, site topography, and receptors (i.e., stream, storm sewers, drainage ditches, etc.) located between the SQG site and the USAR Center.

No other RCRA SQGs or LQGs were identified in the environmental database search within one-quarter mile of the Site.

5.1.6 Federal Emergency Response Notification System List

The federal Emergency Response Notification System (ERNS) provides information on reported oil and hazardous substance releases. According to the environmental database report, the USAR Center is not listed on ERNS.

5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS

The regulatory information presented in the following sections was obtained from the environmental database search report. Supplemental information was also provided from research at the OCC.

5.2.1 State Voluntary Cleanup and Superfund Site Status Reports within One Mile

There are no State Voluntary Cleanup and Superfund Sites with one mile of the USAR Center.

5.2.2 State-Permitted Solid Waste Disposal and Processing Facilities within One-Half Mile

According to the environmental database report, no solid waste landfills, incinerators, or transfer stations are located within one-half mile of the USAR Center. There is no solid waste landfill, incinerator, or transfer station on the Site.

5.2.3 State-Registered Leaking UST Sites within One-Half Mile

According to the environmental database report, the USAR Center is not listed in the state Leaking UST (LUST) database. However, six LUST sites were identified within one-half mile of the Site. The sites are located east and west of the Site, along West Lindsey Street. Based on information provided in the environmental database report, Table 3 lists the sites along with their addresses and elevations relative to the Site.

Table 3
Leaking Underground Storage Tank Sites

Site Name/ OCC Facility No.	Address	Distance and Direction from Site	Regulatory Status	Elevation Relation to Site
Kerr McGee #8488 #1400163 064-0575	1445 West Lindsey Norman, OK	Approximately 245 feet east of Site	Risk-based closure approved via OCC letter on February 25, 1999	Lower
Texaco 43-013-0061 #1408152 064-2350	1730 West Lindsey Norman, OK	Approximately 573 feet west of Site	Risk-based closure approved via OCC letters on October 27, 2000 and March 29, 1994	Higher
Andrews Phillips 66 #1404577 064-0500	1209 West Lindsey Norman, OK	Approximately 1,280 feet east of Site	Risk-based closure approved via OCC letters on June 30, 2003 and March 2, 1999	Lower
Texaco 43-013-0029 #1408230 064-2462	1200 West Lindsey Norman, OK	Approximately 1,315 feet east of Site	Risk-based closure approved via OCC letter on November 21, 2002	Lower
Circle K #3767 #1406692 064-1052	1150 West Lindsey Norman, OK	Approximately 1,445 feet east of Site	Risk-based closure approved via OCC letter on February 5, 1996	Higher
Mister Short Stop #1 #1400936 064-2254	2007 West Lindsey Norman, OK	Approximately 1,745 west of Site	Confirmed Release Opened	Equal Elevation

Based on the above address information, TEJV attempted to locate active LUST sites during the Site reconnaissance. TEJV also researched and reviewed files at the OCC in Oklahoma City. As shown in Table 3, five of the six LUST sites have received closure approval from the OCC, indicating that no further remedial action is required and that residual petroleum contamination does not pose a concern for human health or the environment. OCC closure letters for those sites are included in Appendix D.

The former Kerr McGee site is located at the intersection of West Lindsey Street and Wylie Road. The property is now occupied by the Arvest Bank Plaza (Photograph 60 in Appendix B). The property has been redeveloped and no evidence of a former gasoline UST system was observed during TEJV's Site reconnaissance. All USTs are listed as permanently out of use. The tanks were likely removed in 1992, at which time the release was reported. In a letter dated February 25, 1999, OCC approved risk-based closure of the Former Kerr McGee facility. Therefore, this LUST site is considered to pose a low risk to the USAR Center due its regulatory status (case closure), site topography (downgradient of the Site), and receptors (i.e., stream, storm sewers, drainage ditches, etc.) located between the LUST site and the USAR Center.

The Texaco Service Station 43-013-0061 is an active gasoline station located 573 feet west of Site. Based on information provided in the environmental database report, five USTs are currently in use at the facility. Two separate releases have occurred at the site for which risk-based closures were approved by OCC in letters dated March 29, 1994, and October 27, 2000. Therefore, this LUST site is considered to pose a low risk to the USAR Center due its regulatory status (case closure), location with regards to distance from the Site, site topography, and receptors (i.e., stream, storm sewers, drainage ditches, etc.) located between the LUST site and the USAR Center.

Limited information about the Mister Short Stop #1 site was available in OCC files. Therefore, the regulatory status for this site is considered to be open. Mister Short Stop #1 is an active gas station located 1,745 feet west of the Site. The environmental database search report indicates that the facility status is "confirmed release opened." Two monitoring wells are listed for Mister Shortstop #1 in the state database well information section of the environmental database report. It is unclear whether a site assessment has been conducted at the facility. The information provided indicates the monitoring wells are 35 feet deep. Based on the topography of the area and water table depth at the site, groundwater would likely flow southwest toward Merkle Creek and the Canadian River. Groundwater contamination, if present, most likely would have followed the topography and migrated to the southwest instead of east toward the Site. Thus, the Mister Short Stop #1 LUST site is considered to pose a low risk to the USAR Center due its location with regards to distance from the Site, site topography, and receptors (i.e., stream, storm sewers, drainage ditches, etc.) located between the LUST site and the USAR Center.

The remaining three LUST sites are considered to pose a low risk to the USAR Center due to their regulatory status (case closure), location with regards to distance from the Site, site

topography, and receptors (i.e., stream, storm sewers, drainage ditches, etc.) located between the LUST sites and the USAR Center.

5.2.4 State-Registered UST Sites within One-Quarter Mile

USTs are regulated under RCRA Subtitle I and must be registered with the state department responsible for administering the UST program. The environmental database report identified seven UST/historical UST sites. Table 4 lists the sites along with their address and elevation relative to the Site. Four sites showing the tank status as "permanently out of use" are historical UST sites. Three sites are active with USTs "currently in use."

Based on the above address information, TEJV attempted to locate the UST sites during the Site reconnaissance. TEJV personnel researched and reviewed files retained at the OCC regarding the above UST sites.

As discussed in Section 5.2.3, the former Kerr McGee site is located just east of the Site across Wylie Road. Based on information provided in the environmental database search report, two gasoline USTs were installed in 1966 and ranged in capacity from 6,000 gallons to 10,000 gallons. A 300-gallon used oil tank was also installed in 1966. A 6,000-gallon diesel UST was installed in 1976. All USTs are listed as permanently out of use. The tanks were likely removed in 1992, at which time the release discussed previously was reported. In a letter dated February 25, 1999, OCC approved risk-based closure of the Former Kerr McGee facility.

The Texaco Service Station 43-013-0061 is an active gasoline station located west of Site. Based on information provided in the environmental database report, five USTs are currently in use at the facility. Two 10,000-gallon and one 12,000-gallon gasoline USTs were installed in 1984. One 550-gallon used oil UST was installed in 1984. A 10,000-gallon diesel UST was installed in 1983. This site was also included on the LUST list and was discussed in Section 5.2.3.

The former Big Red (Masters) UST site now appears to be the location of a KFC restaurant. No evidence (e.g., pumps, UST fill ports) of a gasoline UST system was observed. Based on information provided in the environmental database report, four gasoline USTs and one used oil UST were formerly located at the site. The USTs are listed as permanently out of use. According to OCC documents, the USTs were removed prior to August 1999. The OCC granted permanent closure in a letter dated August 9, 1999. The former Big Red (Masters) UST site is not considered to be a potential environmental risk to the USAR Center due to its distance from the USAR Center and current closed status.

The former Waller (Party Keg) UST site now appears to be the location of a Goodyear Tire store. No evidence (e.g., pumps, UST fill ports) of a gasoline UST system was observed. Based on information provided in the environmental database report, four gasoline USTs

were formerly located at the site. The USTs are listed as permanently out of use and, according to OCC documents, were removed prior to May 1996. The OCC granted permanent closure in a letter dated May 23, 1996. The former Waller (Party Keg) UST site is not considered to be a potential environmental risk to the USAR Center due to its distance from the USAR Center and current closed status.

Table 4
Underground Storage Tank Sites

Site Name/ OCC Facility No.	Address	Distance and Direction from Site	Tank Status	Elevation Relation to Site
Kerr McGee #8488 #1400163 064-0575	1445 West Lindsey Norman, OK	Approximately 245 feet east of Site	Permanently Out of Use Historical UST Site	Lower
Texaco 43-013-0061 #1408152 064-2350	1730 West Lindsey Norman, OK	Approximately 573 feet west of Site	Currently In Use Active and Historical UST Site	Higher
Big Red/Masters #1407755	1801 West Lindsey Norman, OK	Approximately 876 feet west of Site	Permanently Out of Use Historical UST Site	Higher
K.M. Waller (Party Keg) #1405384	1802 West Lindsey Norman, OK	Approximately 884 feet west of Site	Permanently Out of Use Historical UST Site	Higher
Andrews Phillips 66 #1404577 064-0500	1209 West Lindsey Norman, OK	Approximately 1,280 feet east of Site	Currently In Use Active and Historical UST Site	Lower
Star Fuel #1017 #1408230	1200 West Lindsey Norman, OK	Approximately 1,315 feet east of Site	Currently In Use Active and Historical UST Site	Lower
Circle K #3767 #1406692 064-1052	1150 West Lindsey Norman, OK	Approximately 1,445 feet east of Site (greater than one-quarter mile of Site)	Permanently Out of Use Historical UST Site	Higher

The remaining three UST sites are not considered to present a potential environmental risk to the USAR Center due their regulatory status (case closure), location with regards to distance, site topography, and receptors (i.e., stream, storm sewers, drainage ditches, etc.) located between the UST sites and the USAR Center.

5.2.5 State-Registered UST Sites, List II Version within One-Quarter Mile

The historical UST listing includes tank information through March 2003 from the OCC. The environmental database report identified six historical UST sites within one-quarter mile of the USAR Center. The six listed sites were included with the UST sites presented in Table 4. Three of these sites have tanks currently in use, but are also listed as historical UST sites within the environmental database report.

5.2.6 State-Registered Leaking AST Sites within One-Half Mile

According to the environmental database report there are no state-registered leaking ASTs within one-half mile of the USAR Center.

5.2.7 State-Registered AST Sites within One-Quarter Mile

According to the environmental database report there are no state-registered ASTs within one-quarter mile of the USAR Center.

5.2.8 State-Registered Sites with Institutional and Engineering Controls within One-Half Mile

Institutional controls include administrative procedures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining onsite. 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 affect human health. According to the environmental database report, no state-registered sites with institutional or engineering controls are located within one-half mile of the USAR Center.

5.2.9 Voluntary Action Program Sites within One-Half Mile

Brownfields sites are included on the Superfund Voluntary Cleanup, Oversight, and Assistance Program listing. According to the environmental database report, no state-registered Voluntary Action Program Sites are located within one-half mile of the USAR Center.

5.2.10 State-Registered Dry-Cleaning Facilities within One-Quarter Mile

According to the environmental database report, there is one active state-registered dry-cleaning facility within one-quarter mile of the USAR Center. Sharps Cleaners is

located 457 feet west of the USAR Center within the strip mall southwest of the Site. The site is listed as a RCRA SQG. No violations were reported on the environmental database report for this site. Hollywood Cleaners is also listed as a permanently closed dry-cleaning facility which is now the location of the Hollywood Coin Laundromat.

5.2.11 State Brownfields Program Sites within One-Half Mile

Included in the State Brownfields Program Listing are brownfields properties addressed by Cooperative Agreement Recipients and brownfields properties targeted by Targeted Brownfields Assessments. According to the environmental database report, no state-registered Brownfield Program sites are located within one-half mile of the USAR Center.

5.3 TRIBAL ENVIRONMENTAL RECORDS

According to the environmental database report, no designated Indian Reservations are located within one mile of the USAR Center.

5.4 UNMAPPED SITES

The environmental database search yielded 19 unmapped sites. Unmapped sites are those with insufficient address information such that they can only be identified within the zip code of the target Site. With the assistance of USAR personnel, TEJV personnel identified and/or estimated the location of each site. Most unmapped sites were determined to be outside the corresponding ASTM D 6008-recommended minimum search distances for the databases on which they were listed.

Two of the unmapped sites were determined to be within the recommended search distance of one-quarter mile for dry-cleaning facilities: Sharps Cleaners, discussed in Section 5.2.10, and Band Box Cleaners. Band Box Cleaners is currently Today Cleaners at 1404 West Lindsey Street, an active business located approximately 500 feet southwest and downgradient of the USAR Center. The elevation of this dry-cleaning facility is lower than the Site. No other information is available regarding this business.

5.5 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO SITE

During review of environmental information summarized in this section, multiple databases and sites were reviewed to evaluate potential risks to the Site. Six LUST sites were identified as potential risks to the Site, as detailed in Section 5.2.3. Based on an evaluation of available information and details concerning the identified sites, all sites are considered low risks to the Site. No “High Risk” sites were identified. “High Risk” properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at the Site.

6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS

Findings documented in the following subsections are based on the July 26 and 27, 2006, Site and area reconnaissance, review of available Site records, and information obtained from USAR personnel.

6.1 UNDERGROUND AND ABOVEGROUND STORAGE TANKS

TEJV did not observe evidence of USTs or ASTs on the Site.

6.2 INVENTORY OF CHEMICALS/HAZARDOUS SUBSTANCES

During the Site reconnaissance, no hazardous substances were observed in the Training Building. The OMS is currently used for storing training materials and equipment.

One outdoor hazmat storage unit is located in the eastern portion of the MEP area. The unit contained paint, cleaning fluids, and POL. A flammable materials storage locker is located within the hazmat storage unit. An inventory of the contents of the hazmat storage unit, prepared during the Site reconnaissance, is included in Appendix D. The storage unit was neat and orderly with chemicals stored in their original labeled containers. No signs of leakage or corrosion were evident; however, temperatures were above 100 degrees Fahrenheit during the Site reconnaissance and a strong chemical odor was present inside the storage unit. USAR personnel indicated that chemicals stored inside the hazmat storage unit were no longer used by the USAR Center. According to USAR personnel, these chemicals will be properly disposed in the near future.

6.3 WASTE DISPOSAL SITES

No signs of landfilling or illegal waste disposal activities were observed on the Site during the visual reconnaissance.

6.4 PITS, SUMPS, DRY WELLS, AND CATCH BASINS

The Site is served by a sanitary sewer system from the City of Norman. All wastewater generated within the buildings discharges into the sanitary sewer system. Training Building floor drains are located within the kitchen, mechanical rooms, and restrooms. There is a grease trap and pot wash basin outside the kitchen; however the kitchen has not been used since approximately 2001.

Runoff from the northern MEP area flows to a trench drain along the north side of the Training Building and OMS. The trench drain empties into an open concrete culvert located along the western side of the Training Building. An open ditch extends from the southwest corner of the Training Building to the ditch along West Lindsey Street. An open ditch drains runoff from the eastern POV lot toward the ditch along West Lindsey Street. The Site drains south toward an open road ditch along West Lindsey Street along the Site's

southern boundary. No other storm drains were identified during TEJV's Site reconnaissance.

6.5 ASBESTOS-CONTAINING MATERIAL

As described in Section 3.5.4, ACM was identified in the USAR Center buildings in 1997. According to USAR personnel, ACM has not been abated at the USAR Center.

6.6 PCB-CONTAINING EQUIPMENT

As described in Section 3.5.7, there are no known PCB-containing transformers or PCB-containing equipment on the Site, based on a 1997 assessment.

During TEJV's Site reconnaissance, two newer PMTs observed south of the Training Building had been installed after the 1997 report was issued. All PMTs were observed to be in good condition with no evidence of leaks, and were labeled as non-PCB-containing.

6.7 LEAD-BASED PAINT

A LBP survey has not been conducted at the USAR Center. During TEJV's Site reconnaissance, all painted surfaces generally appeared in good condition with little signs of flaking.

6.8 RADON

As described in Section 3.5.3, radon screening tests were performed at six locations within the Training Building in June 1990. Results were ranged from 0.40 to 1.0 pCi/L.

The Site is in the USEPA Radon Zone 3. Zone 3 has "low potential" for radon. The average short-term radon measurement that can be expected in a building without the implementation of radon controls is less than 2.0 pCi/L. The state radon database, referenced in the environmental database report, lists the average indoor radon reading as 1.805 pCi/L, and the federal database indicates that the average first floor living space radon reading is 2.200 pCi/L. This information is consistent with the actual readings previously described for the Site.

6.9 UNEXPLODED ORDNANCE

No indications were found during the Site reconnaissance or review of records to indicate the presence of munitions or explosives of concern at the Site.

6.10 RADIOACTIVE MATERIALS

During TEJV's Site reconnaissance of the Training Building, two storage rooms were identified as having radioactive materials. According to USAR personnel, the rooms contain special chemical agent sensing devices and equipment used by the

332nd Chemical Company. The equipment was stored in lockers within locked storage cages. There is no evidence to suggest that any radiological commodities were ever improperly managed at the Site, or that any radionuclides were ever released.

7.0 REVIEW OF SPECIAL RESOURCES

7.1 LAND USE

The Site is zoned C-O, as shown on the Land Use Map (Figure 22). Surrounding properties to the west, south, and southeast are zoned commercial. Properties to the north and northeast are zoned residential. Figure 22 also provides a 2005 detailed aerial view of the USAR Center and surrounding properties and depicts current land use.

7.2 COASTAL ZONE MANAGEMENT

There is no coastal zone management plan for Oklahoma.

7.3 WETLANDS

The Site is upland and well drained. According to the USFWS NWI map, no jurisdictional wetland areas are identified on the Site or any surrounding properties. Figure 6 in Appendix A provides a map of wetlands in the Site area.

7.4 100-YEAR FLOOD PLAIN

The FEMA Flood Rate Insurance Map indicates that the Site lies outside the 500-year flood plain (Figure 4 in Appendix A). As shown on the figure, the Site is in Zone X, which denotes “areas outside the 500-year flood plain” and, therefore, outside of the 100-year flood plain.

7.5 NATURAL RESOURCES

As described in Section 3.5.5, the Site does not contain habitat for threatened and endangered species. Except for potential incidental use by migrants, threatened and endangered species are unlikely to occur at the Site. The USAR Center does not contain any key natural resources, including wetlands, surface waters, or flood plains.

7.6 CULTURAL RESOURCES

As described in Section 3.5.6, a cultural resource assessment was performed for the Site. The assessments concluded that there were no architectural issues at the USAR Site, which is not eligible for the National Register of Historic Places due to extensive remodeling. The Site was listed as having “low” archeological potential. An archeological survey was not recommended for the Site.

7.7 OTHER SPECIAL RESOURCES

There are no other known resources that could affect the Site.

8.0 CONCLUSIONS

TEJV, under contract to the USACE Louisville District, has prepared this ECP Report for the Joe A. Smalley USAR Center (Facility ID OK020) at 1507 West Lindsey Street in Norman, Cleveland County, Oklahoma. The USAR Center is on 4.24 acres of land with one permanent structure, a 29,674-square-foot Training Building and the attached 2,559-square-foot OMS. The Site has primarily functioned as an administrative and training facility. The USAR Center is currently occupied by the 3-378-2-95th Division (IT), 4003rd Garrison Support Unit, 370th Chemical Company 2nd Detachment, and 332nd Chemical Company 4th Detachment.

Findings of this ECP are based on existing environmental information, including visual observations, Site records, and federal, state, and local database and file information related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the property. The following presents the findings related to areas of potential environmental concern that were evaluated during the ECP process.

- ***Hazardous Substances*.** Chemicals containing CERCLA hazardous substances would have been used and stored at the Site in amounts necessary to support unit-level vehicle and building maintenance activities. However, the quantities stored for one year or more would not have exceeded 1,000 kg or the RQ of designated hazardous substances, or 1 kg of acutely hazardous waste. There is no evidence that the chemicals used or stored were ever improperly handled, released, or disposed of at the Site. Organizational level maintenance of tactical vehicles has occurred at the Site for the majority of its developed use. Documentation concerning past practices for the use, storage, and disposal of petroleum products, associated with vehicle maintenance, is not available.

- ***USTs/ASTs.*** No petroleum ASTs or USTs are currently present on the Site, nor have ASTs or USTs been located on the Site since the late 1950s when the USAR Center was constructed.

- ***VWR*.** A VWR and associated OWS are located on the Site within the MEP fenced area. The OWS discharges to the sanitary sewer. The VWR and OWS have not been used since 1998. A VWR and OWS were historically located east of the OMS. That system was removed in the early 1990s. There is no evidence of a release from the historical or current OWSs.

- ***Non-UST/AST Petroleum Storage.*** Petroleum storage would have occurred in designated areas within the OMS and hazmat storage unit located in the MEP area. There is no evidence that non-UST/AST petroleum products in excess of 55 gallons were stored for one year or more on Site.

- ***PCBs*.** A PCB assessment was performed in 1997 addressing a pad-mounted electric transformer, a PMT, and fluorescent lighting fixtures on the Site. Based on that assessment, the transformers and fluorescent lighting fixtures were determined to be non-PCB containing. Two newer PMTs south of the Training Building were not included in the 1997 assessment. Those PMTs were observed to be in good condition at the time of TEJV's Site reconnaissance with no evidence of leaks, and were labeled as non-PCB-containing.

- ***Asbestos*.** A 1997 asbestos survey identified non-friable ACM within the older floor tile and mastic in the Training Building and OMS. The non-friable ACM are in damaged condition and have a moderate potential for disturbance. No friable ACM was found. Based on the review of available records, interviews, and the visual reconnaissance, ACM has not been abated at the USAR Center.

- ***LBP*.** A LBP survey has not been conducted at the Site. During TEJV's visual reconnaissance, painted surfaces in the buildings were observed to be in good condition.

- ***Radiological Materials*.** There is no evidence of any release of radiological materials at the Site.

- ***Radon*.** In 1990, radon tests were performed at six locations in the Training Building and OMS. Sample results were below the USEPA-recommended action level of 4.0 pCi/L; therefore, radon is not an environmental concern at the Site.

- ***Munitions and Explosives.*** No evidence of the current or past presence of munitions and explosives of concern at the Site was found during the visual reconnaissance or records review process.

- ***Surrounding Properties*.** Potential environmental properties of concern, located within corresponding ASTM D 6008-recommended minimum search distances from the Site, were evaluated. There is no evidence of significant environmental conditions relating to surrounding properties that would impact the environmental condition of the Site.

Areas of potential environmental concern were reviewed and the TEJV found no significant concerns relating to the environmental condition of the Site. In accordance with DoD policy defining the classifications, (see S.W. Goodman Memorandum dated October 21, 1996), the Property has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public 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.

9.0 REFERENCES

Persons Contacted

- Mr. Chuck Potts, Oklahoma Water Resources Board, 3800 N. Classen Blvd., Oklahoma City, OK 73118, (405) 530-8800. Provided NWI map.

- Ms. Dean Wakeland, Employee, Sharps Cleaners, Norman, Oklahoma. (405)-329-3434. Telecommunications on September 18, 2006.

- Mr. Scott Woodruff, Planning Technician, City of Norman Geographical Information System Department, Norman, Oklahoma. (405) 366-5436. Meeting on July 27, 2006.

- Mr. Tim Bartee, District Conservationist, USDA-NRCS, Cleveland County Office, Norman, Oklahoma. (405) 321-7766. Meeting on July 26, 2006.

- Sergeant Houston Denham, Facility Manager, Joe A. Smalley USAR Center, Norman, Oklahoma. (405) 360-4811. Meeting on July 26, 2006.

- Sergeant Karin Moten, Environmental Coordinator, Joe A. Smalley USAR Center, Norman, Oklahoma. (405) 360-4811. Meeting on July 26, 2006.

Resources Consulted

- Aerial Photographs dated 1943 (Oklahoma Department of Libraries), 1963, 1969, 1984, 1990, 1995 and 2004 (NRCS).

- City of Norman — Zoning Map, Plat Map and Flood Map.

- ECCI. *Environmental Baseline Survey for Joe A. Smalley U.S. Army Reserve Center*. March 2006.

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- Topographic Maps dated 1936, 1948, 1951, 1965, 1975, 1983 and 1995 (Oklahoma University-Geology Library).

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- U.S. Fish & Wildlife Services, Branch of Habitat Assessment, *National Wetlands Inventory Map, Norman quadrangle.*

- U.S. Fish & Wildlife Services, Endangered Species List — Cleveland County, Oklahoma. July 25, 2006.

Agencies Contacted

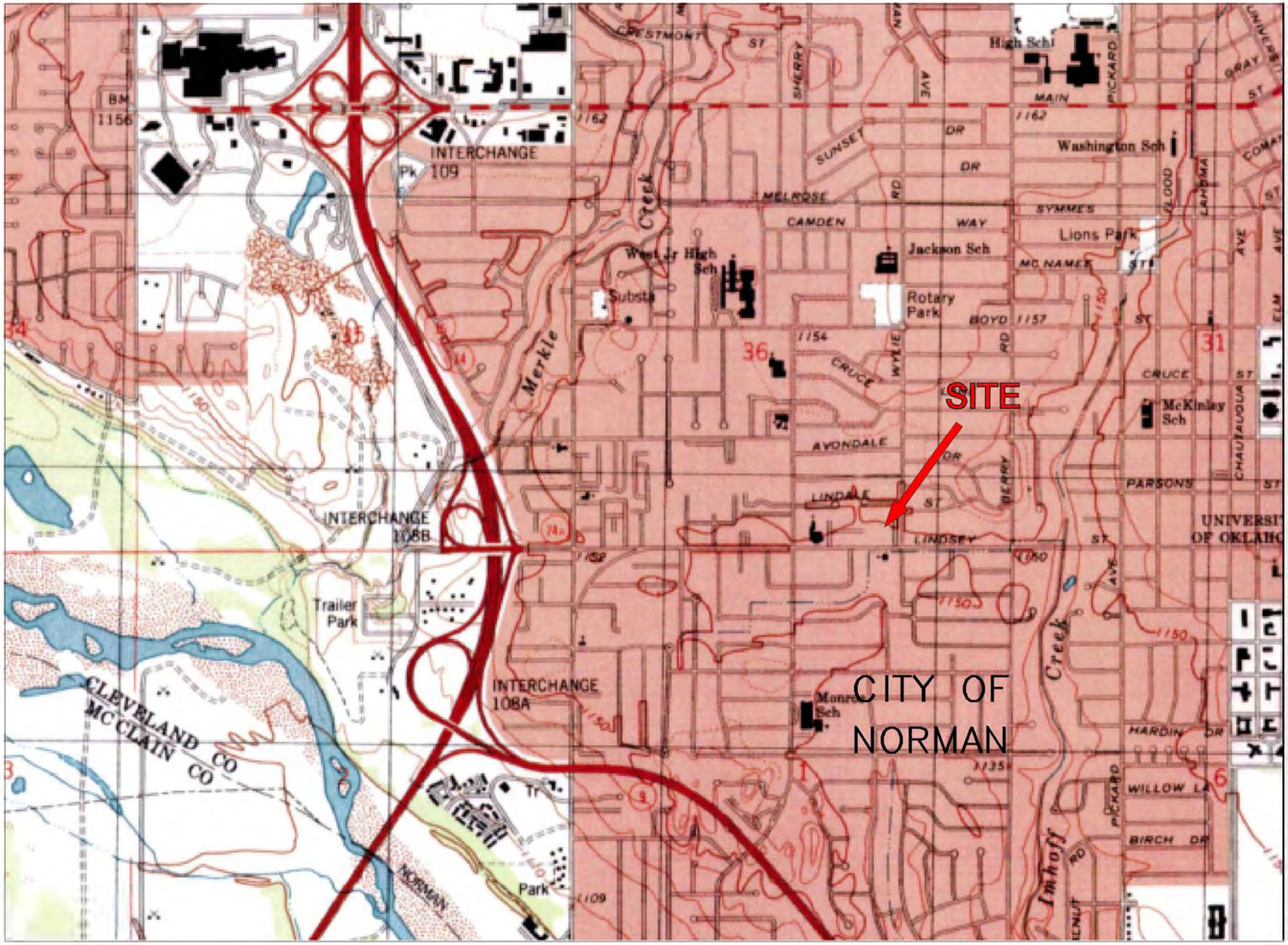
- City of Norman Planning Department
- Norman Library
- Oklahoma Corporation Commission, Petroleum Storage Tank Division
- Oklahoma Department of Libraries
- Oklahoma Geological Survey
- Oklahoma University – Geology Library
- Oklahoma Water Resources Board

Appendix A
Figures

APPENDIX A

FIGURES

- Figure 1 General Site Location Map
- Figure 2 Site Layout Map
- Figure 3 Interior Layout of Training Building
- Figure 4 Flood Plain Map
- Figure 5 NRCS Soil Map
- Figure 6 National Wetlands Inventory Map
- Figure 7 1936 Topographic Map
- Figure 8 1948 Topographic Map
- Figure 9 1951 Topographic Map
- Figure 10 1965 Topographic Map
- Figure 11 1975 Topographic Map
- Figure 12 1983 Topographic Map
- Figure 13 1995 Topographic Map
- Figure 14 1943 Aerial Photograph
- Figure 15 1963 Aerial Photograph
- Figure 16 1969 Aerial Photograph
- Figure 17 1984 Aerial Photograph
- Figure 18 1990 Aerial Photograph
- Figure 19 1995 Aerial Photograph
- Figure 20 2004 Aerial Photograph
- Figure 21 Plat Map
- Figure 22 Zoning and Land Use Map



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SCALE IN MILES

MAP SOURCE:
U.S.G.S. 7.5 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1995

FIGURE 1
GENERAL SITE LOCATION MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

GATE
GREASE RACK
WASH RACK
MEP PARKING
PAD
PAD
OMS
SIDEWALK
PAD
PAD
PAD
USARC
SIDEWALK
POV PARKING
WYLIE ROAD
REC SHELTER
PAD
POV PARKING
SIDEWALK
WEST LINDSEY STREET

LEGEND

BUILDING
SIDEWALK
FENCE LINE
PARKING

0 40 80 120
SCALE IN FEET

SOURCE:
90TH RRC
(NOVEMBER 20, 2001)

FIGURE 2
SITE LAYOUT PLAN
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:
DRAWN BY: WOLSKI
DWG DATE: 08/11/06
DWG NO:

TERRAINE
ENSAFE
8(a) joint venture

SOURCE:
90TH RRC
(JANUARY 4, 2002)

0 20 40 60
SCALE IN FEET

FIGURE 3
INTERIOR LAYOUT OF EXISTING TRAINING BLDG.
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

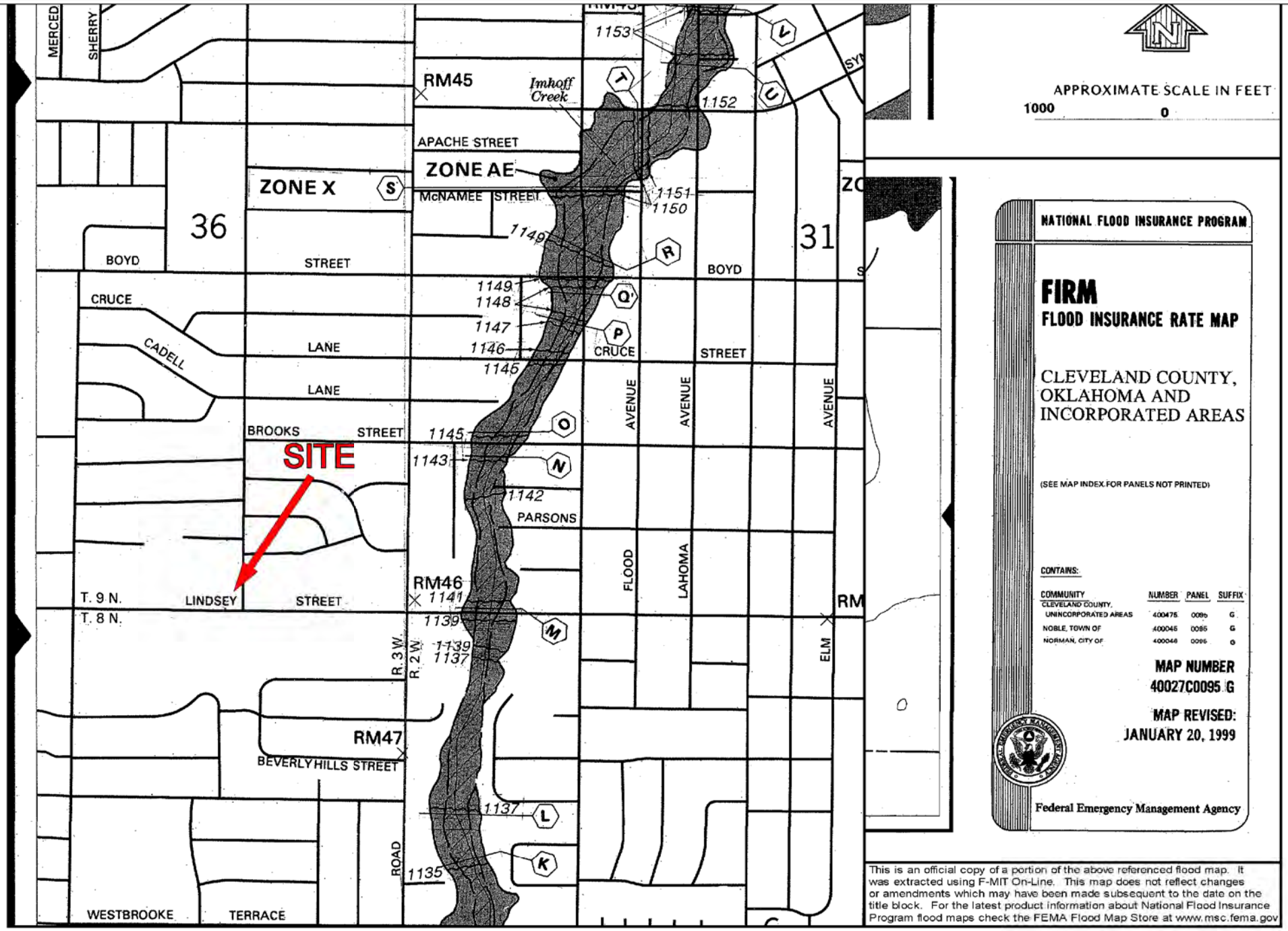

FIGURE 4
FLOOD PLAIN MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
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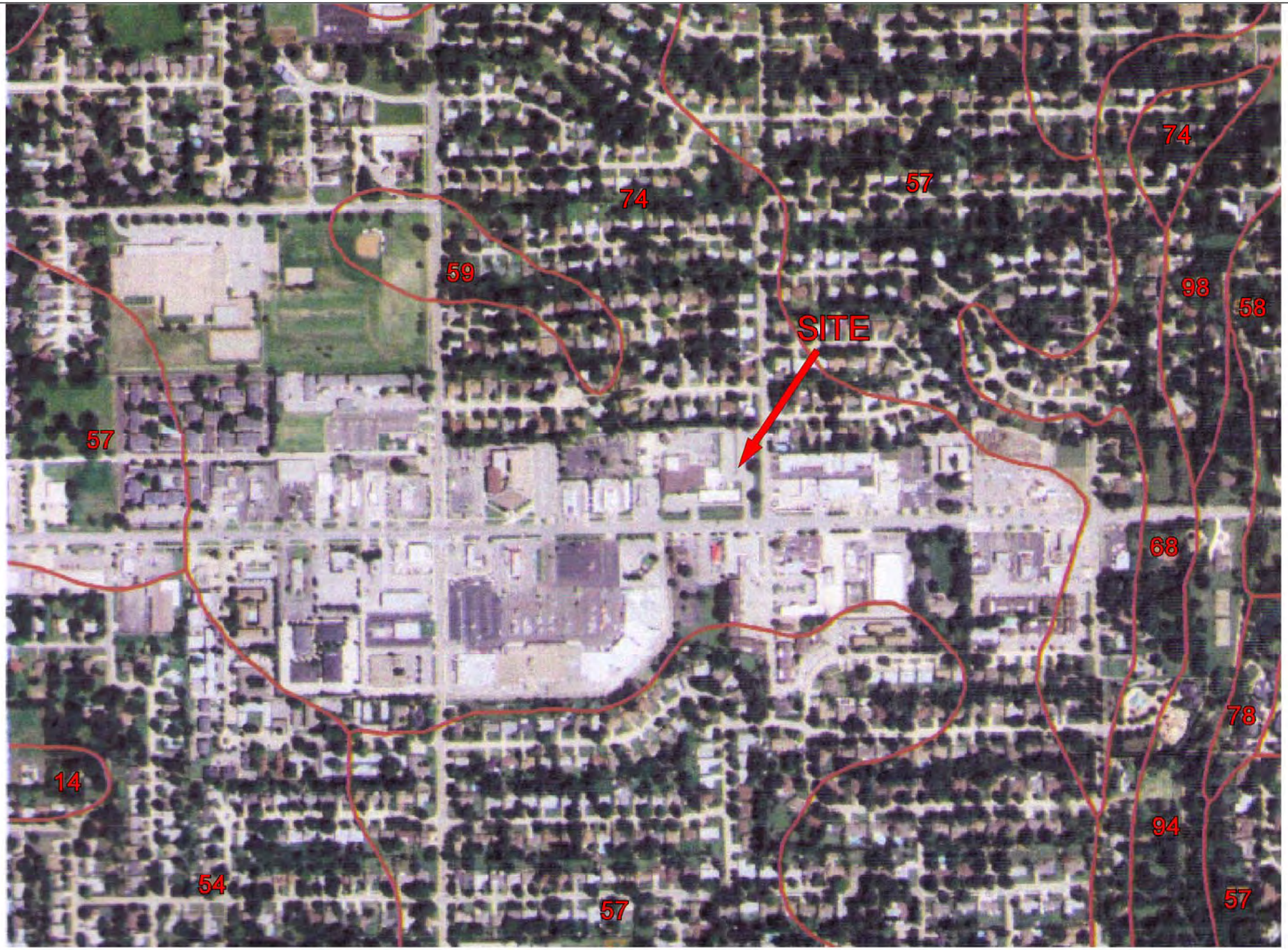
SOURCE:
F.E.M.A. 1999 FLOOD INSURANCE RATE MAP



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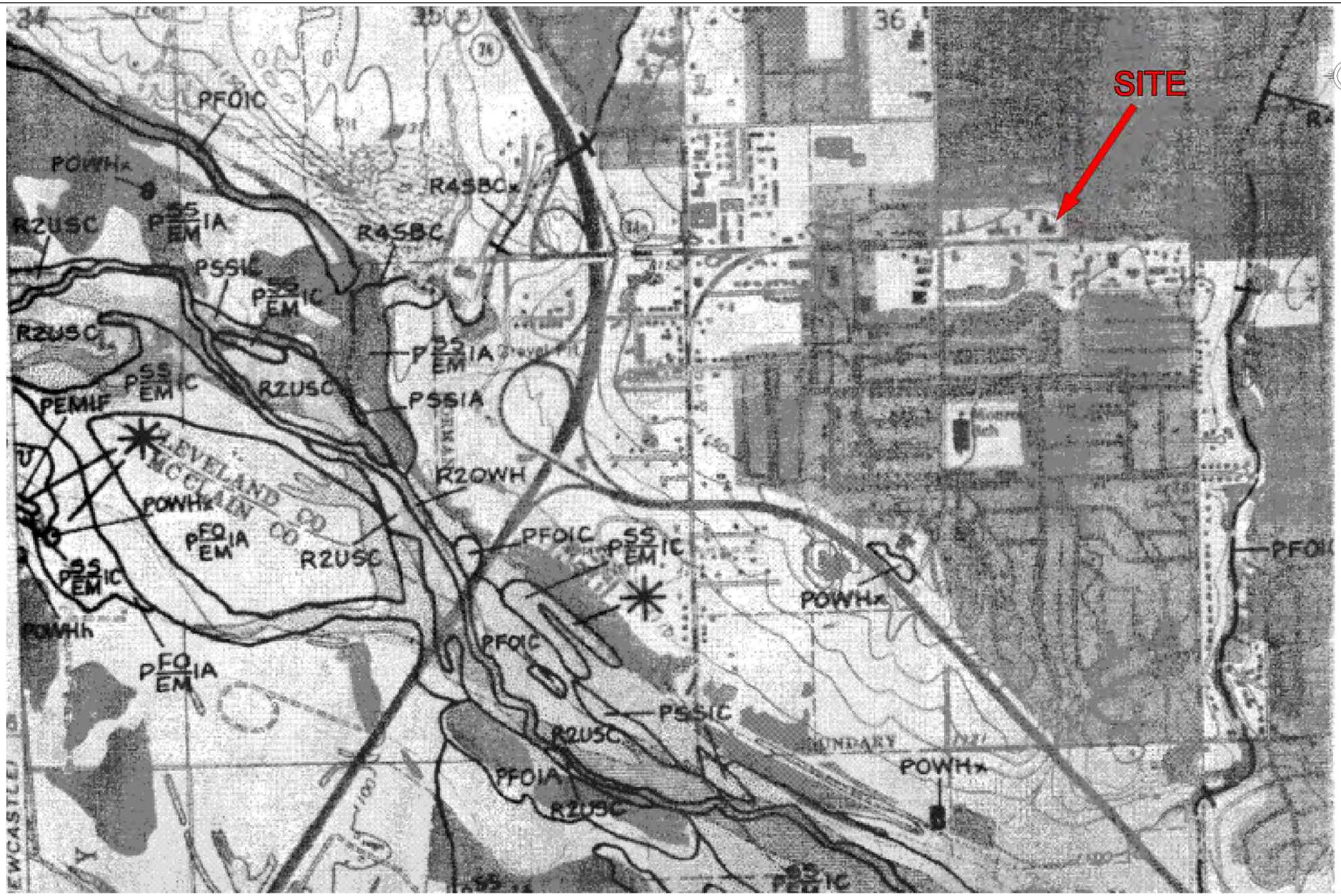
SCALE IN MILES

SOURCE:
NATURAL RESOURCES CONSERVATION SERVICE, 2004
MAP UNIT: 74 – VANOSS-URBAN LAND-NORGE COMPLEX, 0 TO 3 PERCENT SLOPE

FIGURE 5
NRCS SOIL MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



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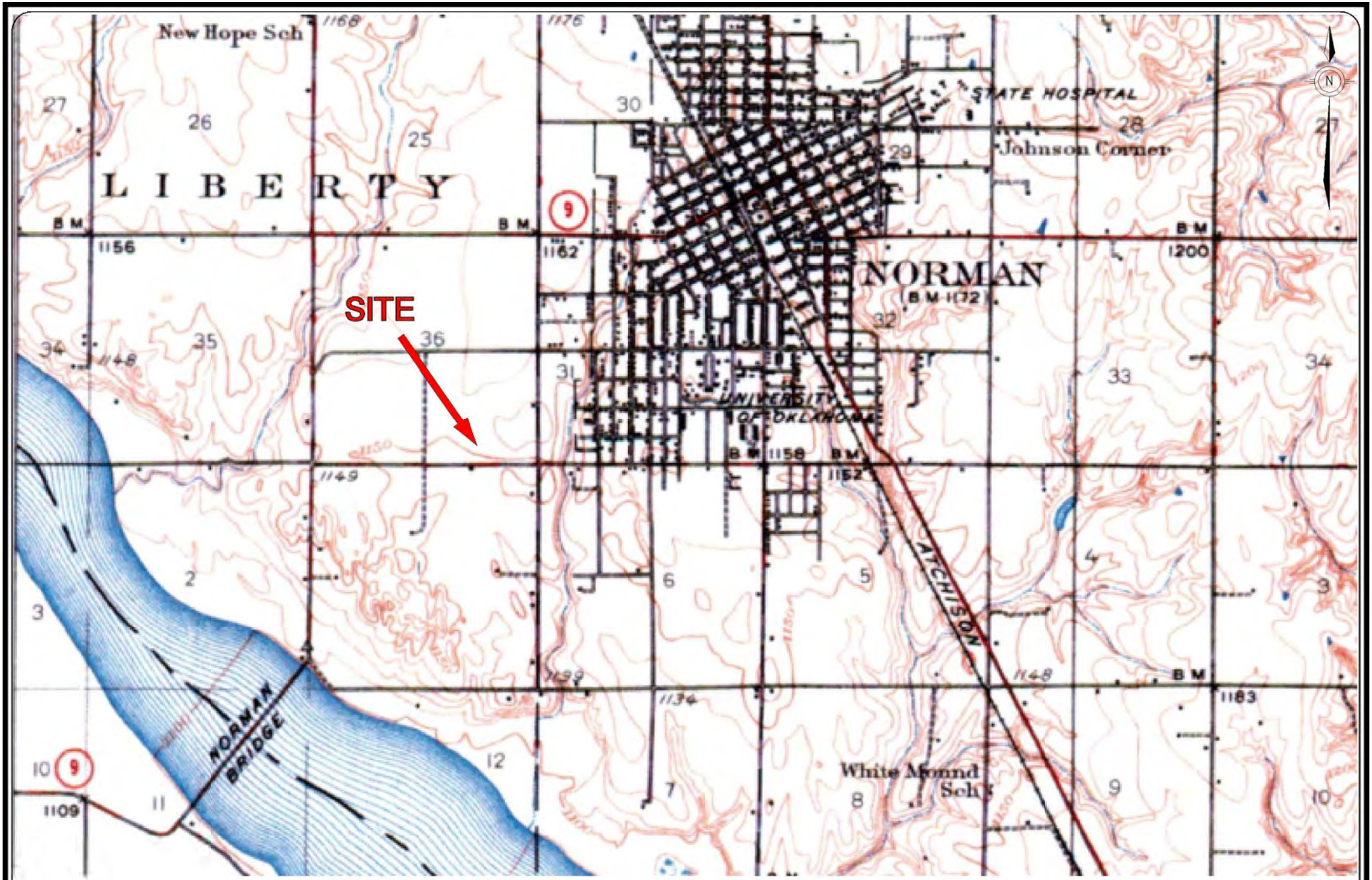
SCALE IN MILES

SOURCE:
OKLAHOMA WATER RESOURCES BOARD

FIGURE 6
NATIONAL WETLAND INVENTORY MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



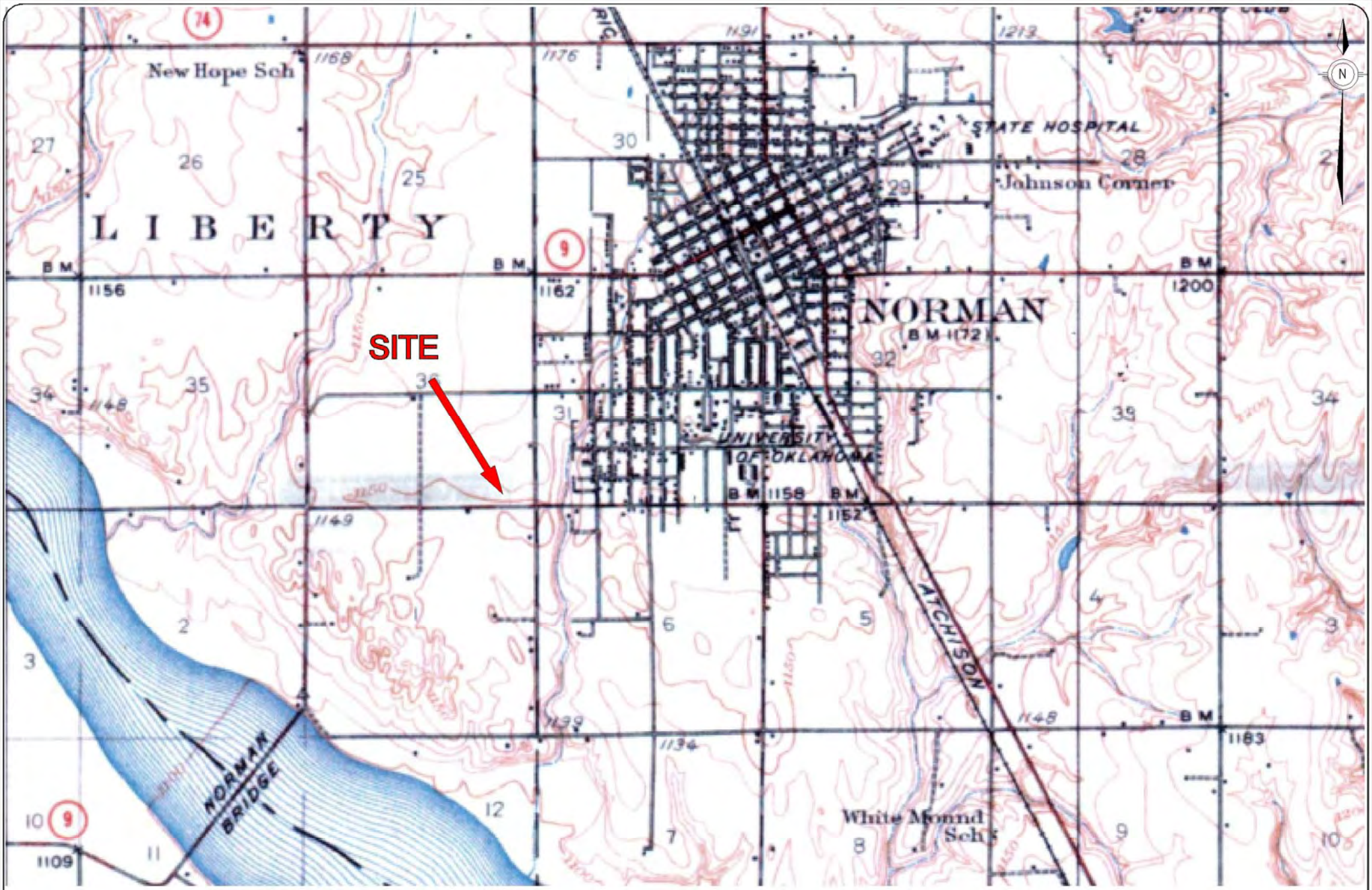
0 1.0
SCALE IN MILES

MAP SOURCE:
U.S.G.S. 15 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1936

FIGURE 7
1936 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



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SCALE IN MILES

MAP SOURCE:
U.S.G.S. 15 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1948

FIGURE 8
1948 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

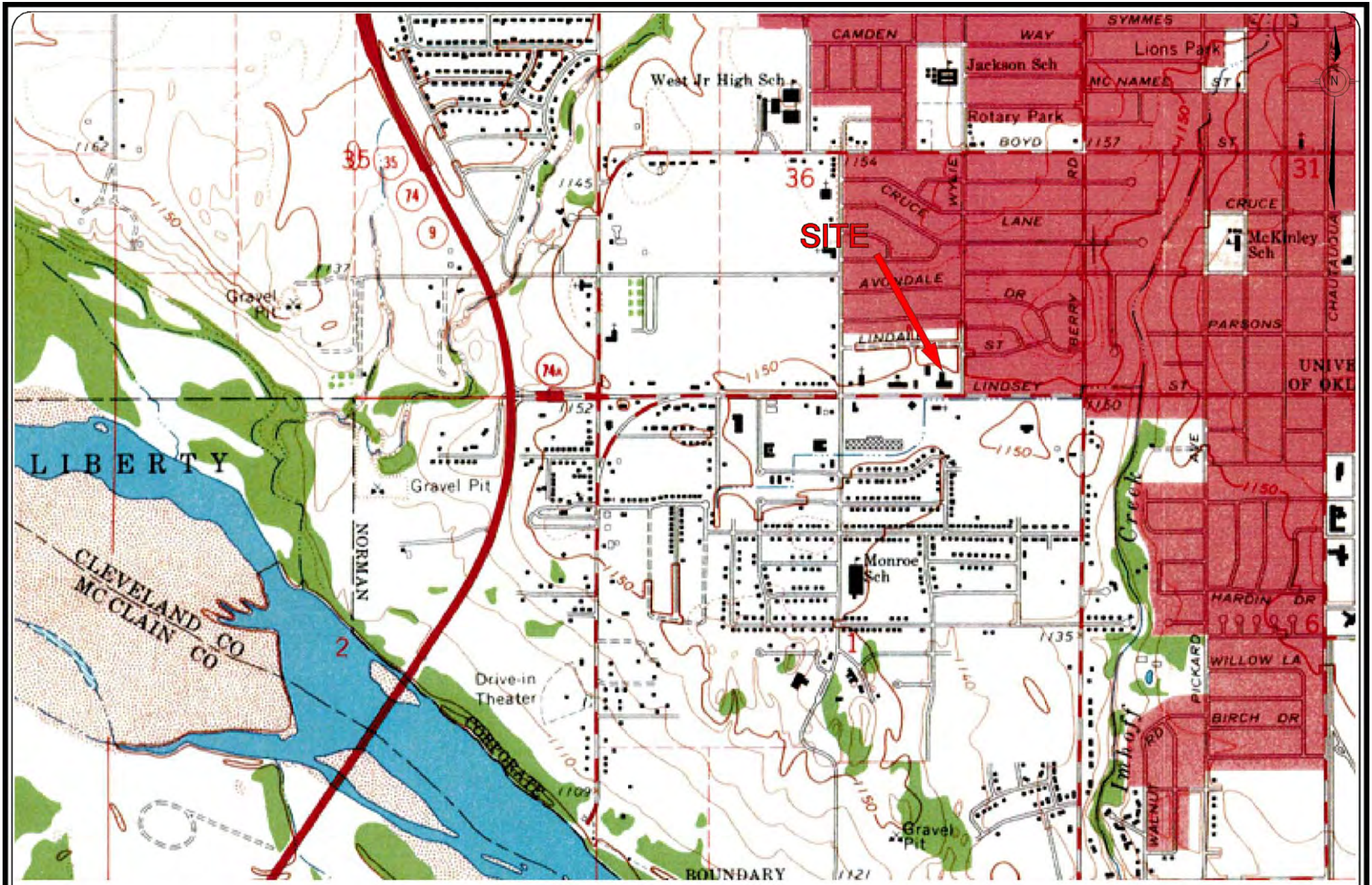
0 1.0
SCALE IN MILES

MAP SOURCE:
U.S.G.S. 15 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1951

FIGURE 9
1951 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



0 0.5

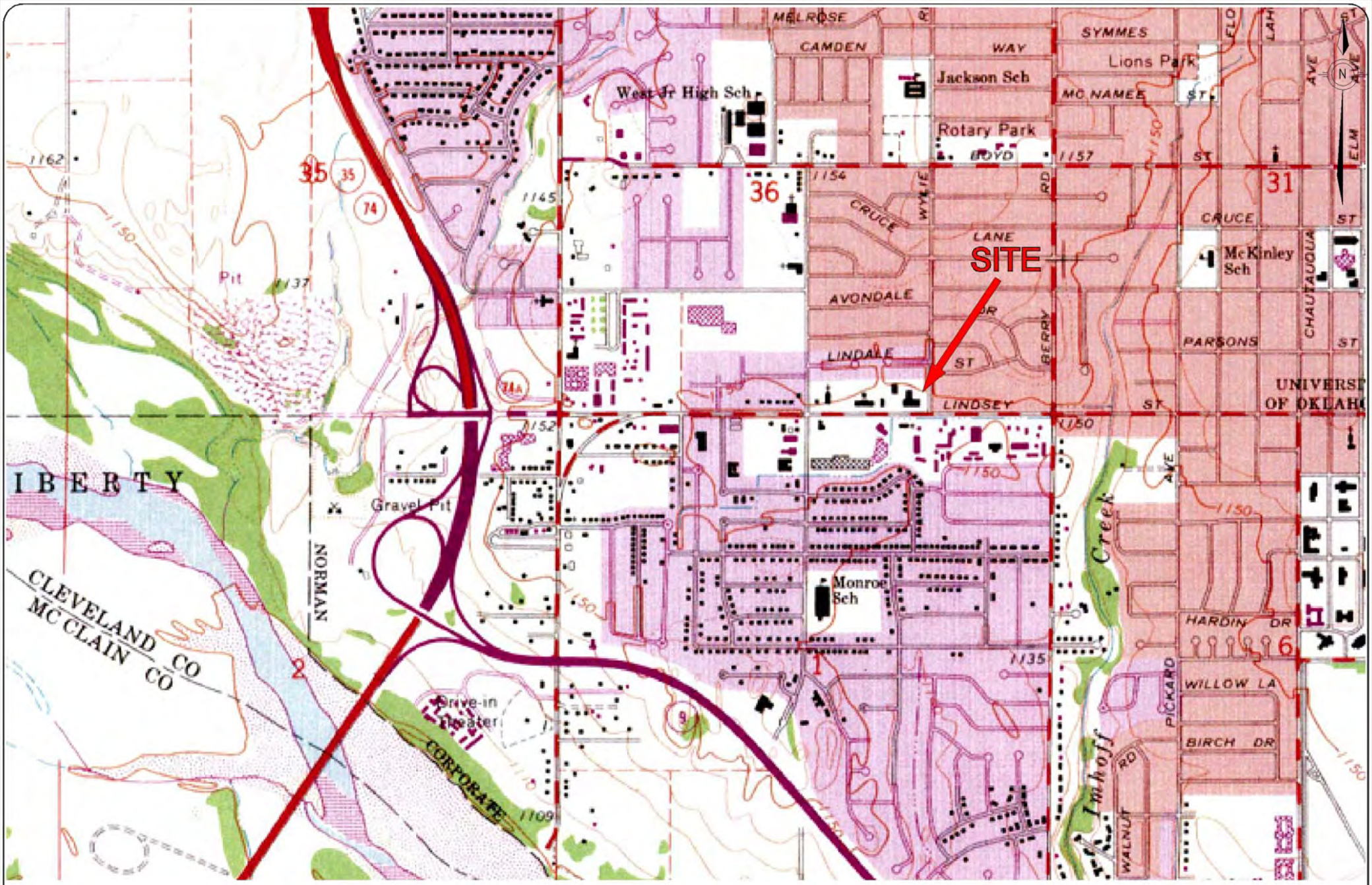
SCALE IN MILES

MAP SOURCE:
U.S.G.S. 7.5 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1965

FIGURE 10
1965 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



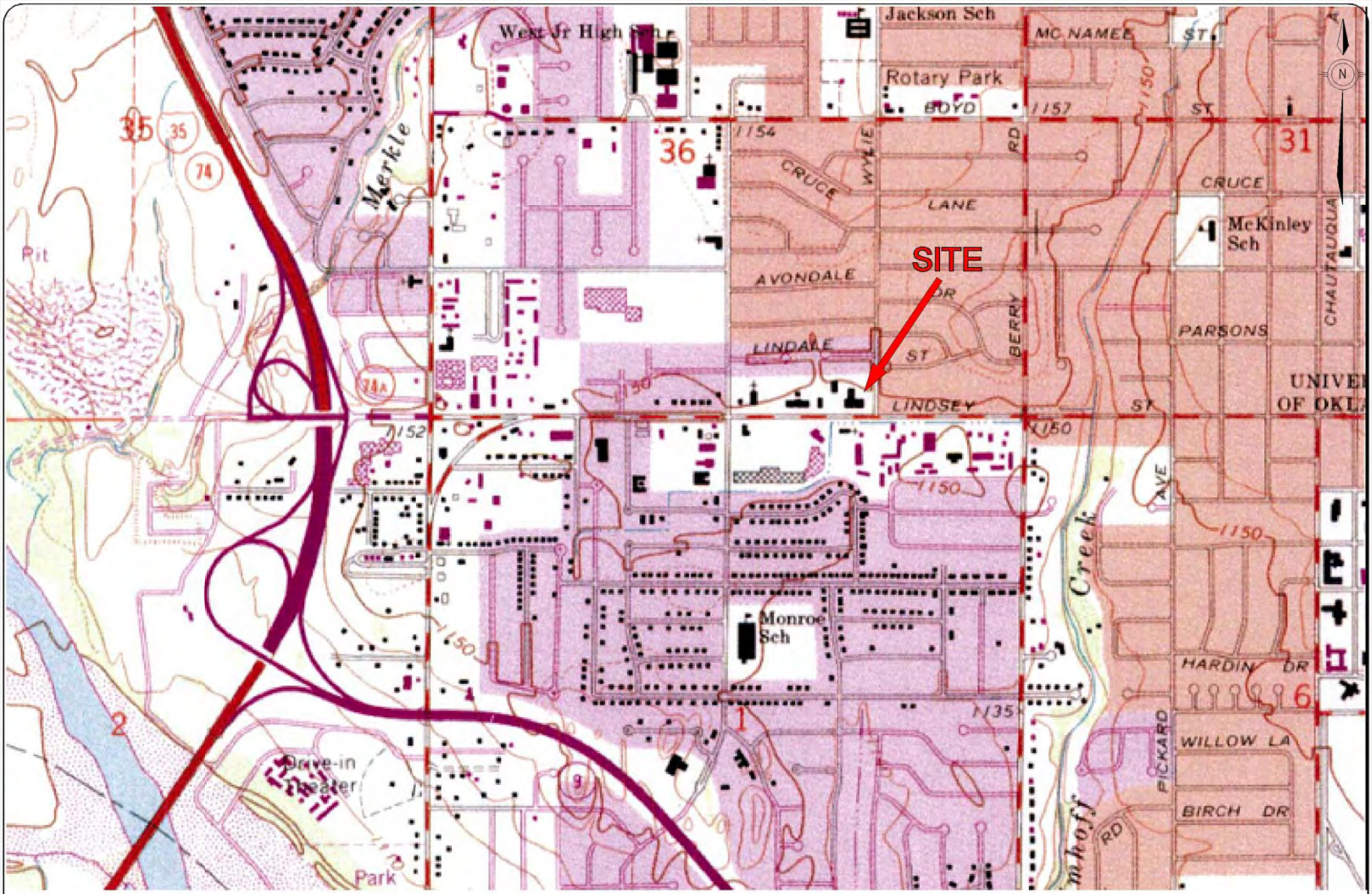
0 0.5
SCALE IN MILES

MAP SOURCE:
U.S.G.S. 7.5 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1975

FIGURE 11
1975 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



0 0.5

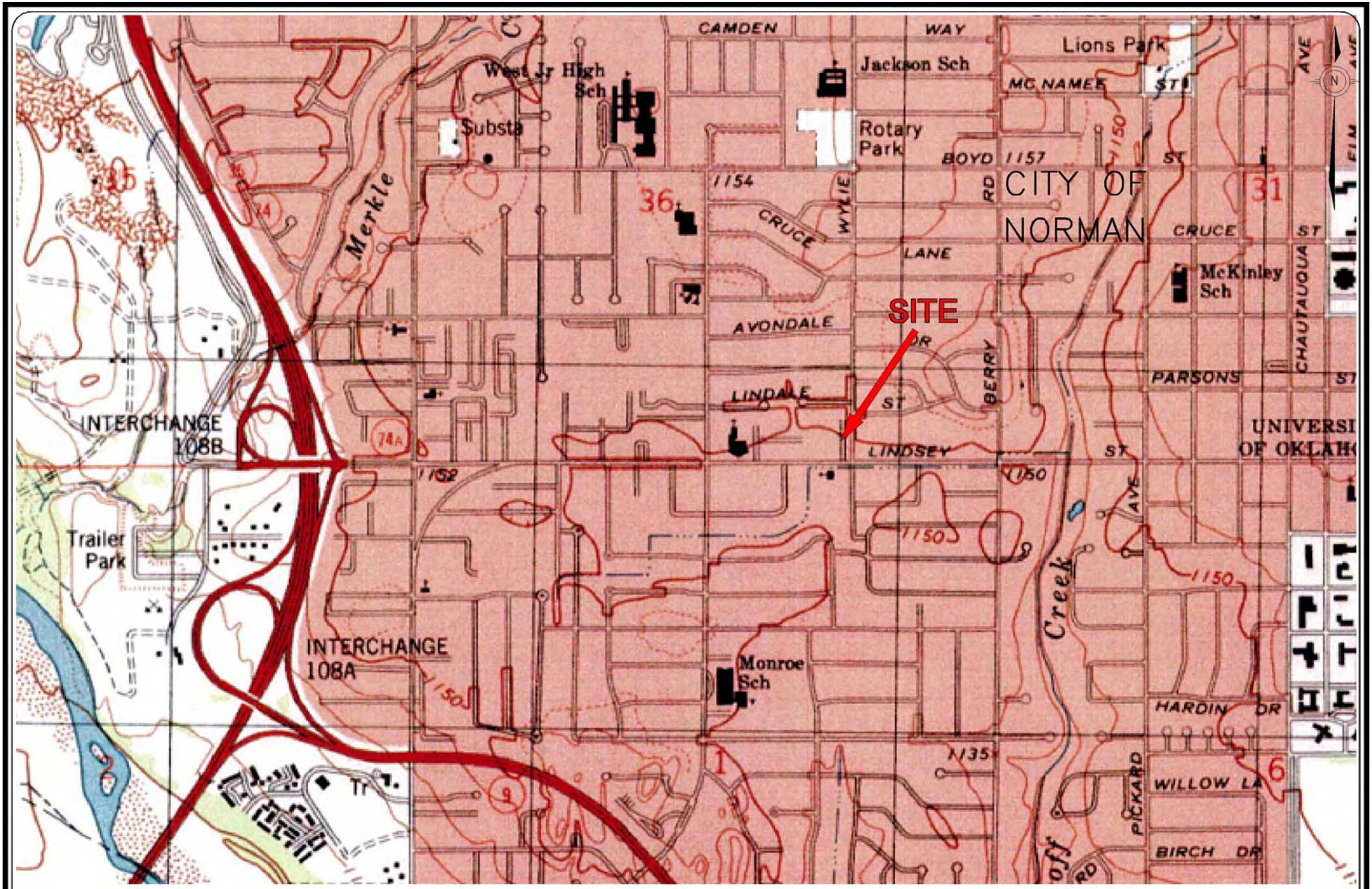
SCALE IN MILES

MAP SOURCE:
U.S.G.S. 7.5 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1983

FIGURE 12
1983 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



0 0.5
SCALE IN MILES

MAP SOURCE:
U.S.G.S. 7.5 MINUTE QUADRANGLE
NORMAN, OKLAHOMA 1995

FIGURE 13
1995 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

0 0.25
SCALE IN MILES

SOURCE:
OKLAHOMA DEPARTMENT OF LIBRARIES

FIGURE 14
1943 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

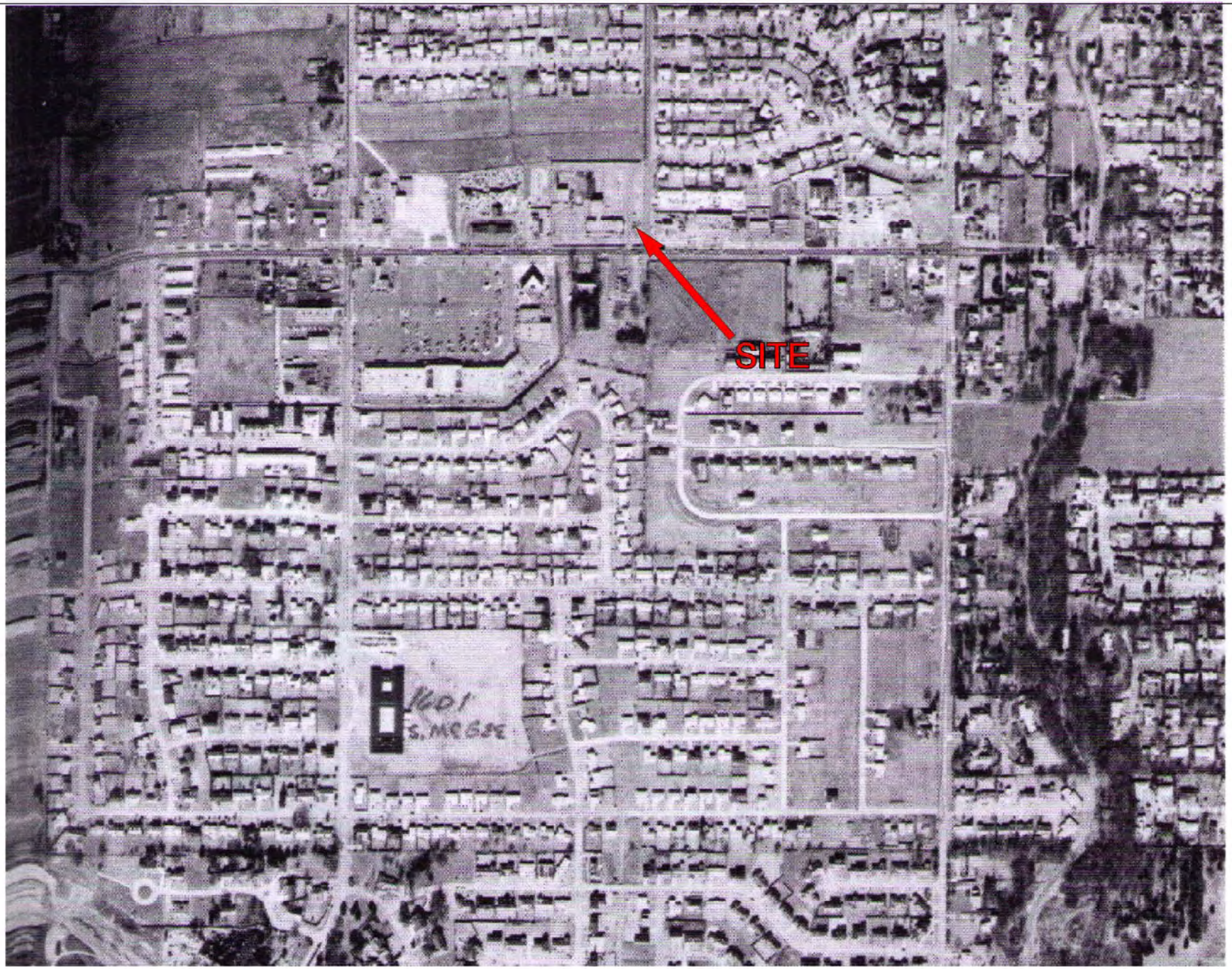
0 0.25
SCALE IN MILES

SOURCE:
NATURAL RESOURCES CONSERVATION SERVICE

FIGURE 15
1963 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



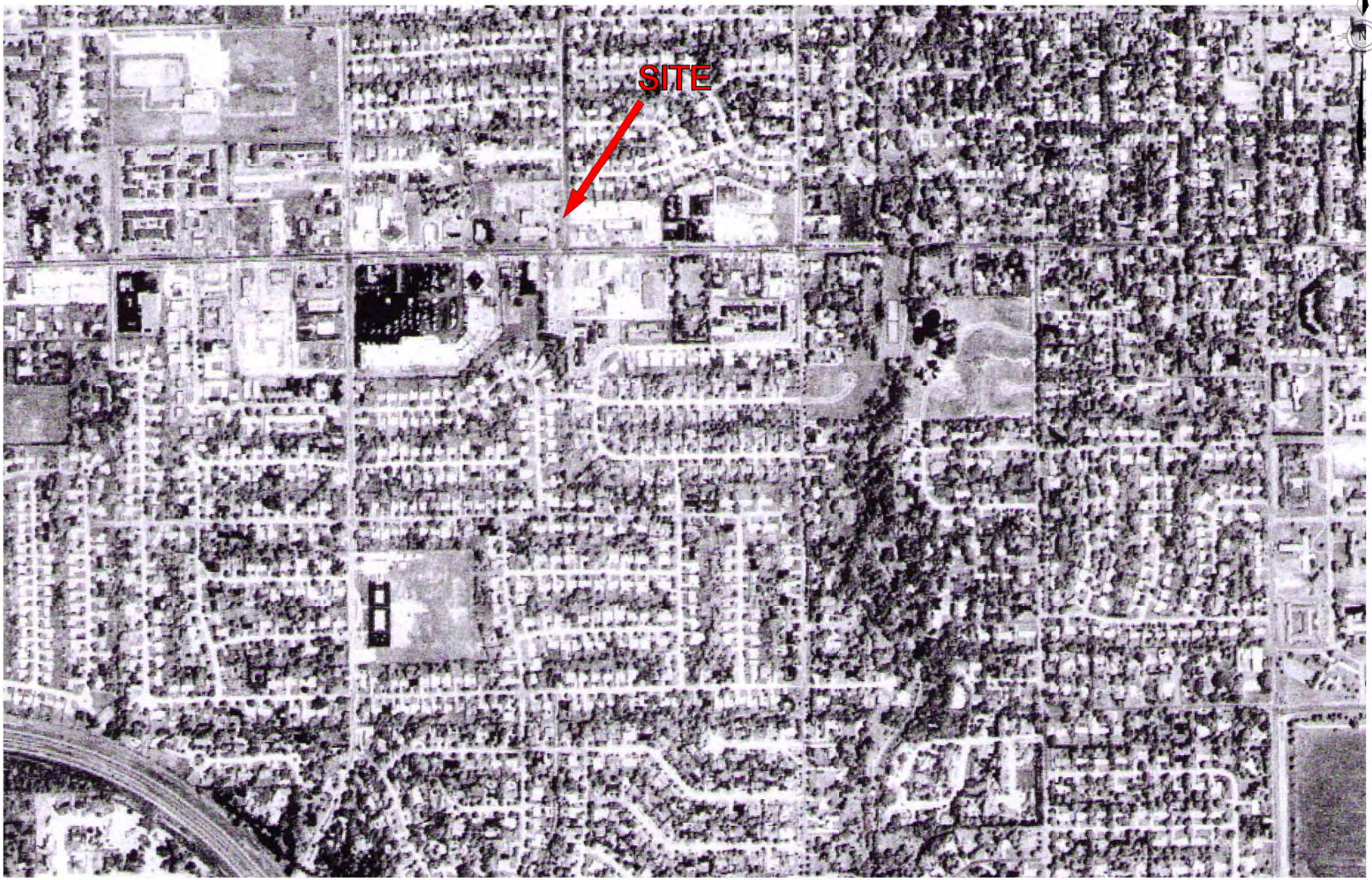
0 0.25
SCALE IN MILES

SOURCE:
NATURAL RESOURCES CONSERVATION SERVICE

FIGURE 16
1969 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



0 0.25
SCALE IN MILES

SOURCE:
NATURAL RESOURCES CONSERVATION SERVICE

FIGURE 17
1984 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

0 0.25
SCALE IN MILES

SOURCE:
NATURAL RESOURCES CONSERVATION SERVICE

FIGURE 18
1990 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

0 0.05
SCALE IN MILES

SOURCE:
NATURAL RESOURCES CONSERVATION SERVICE

FIGURE 19
1995 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

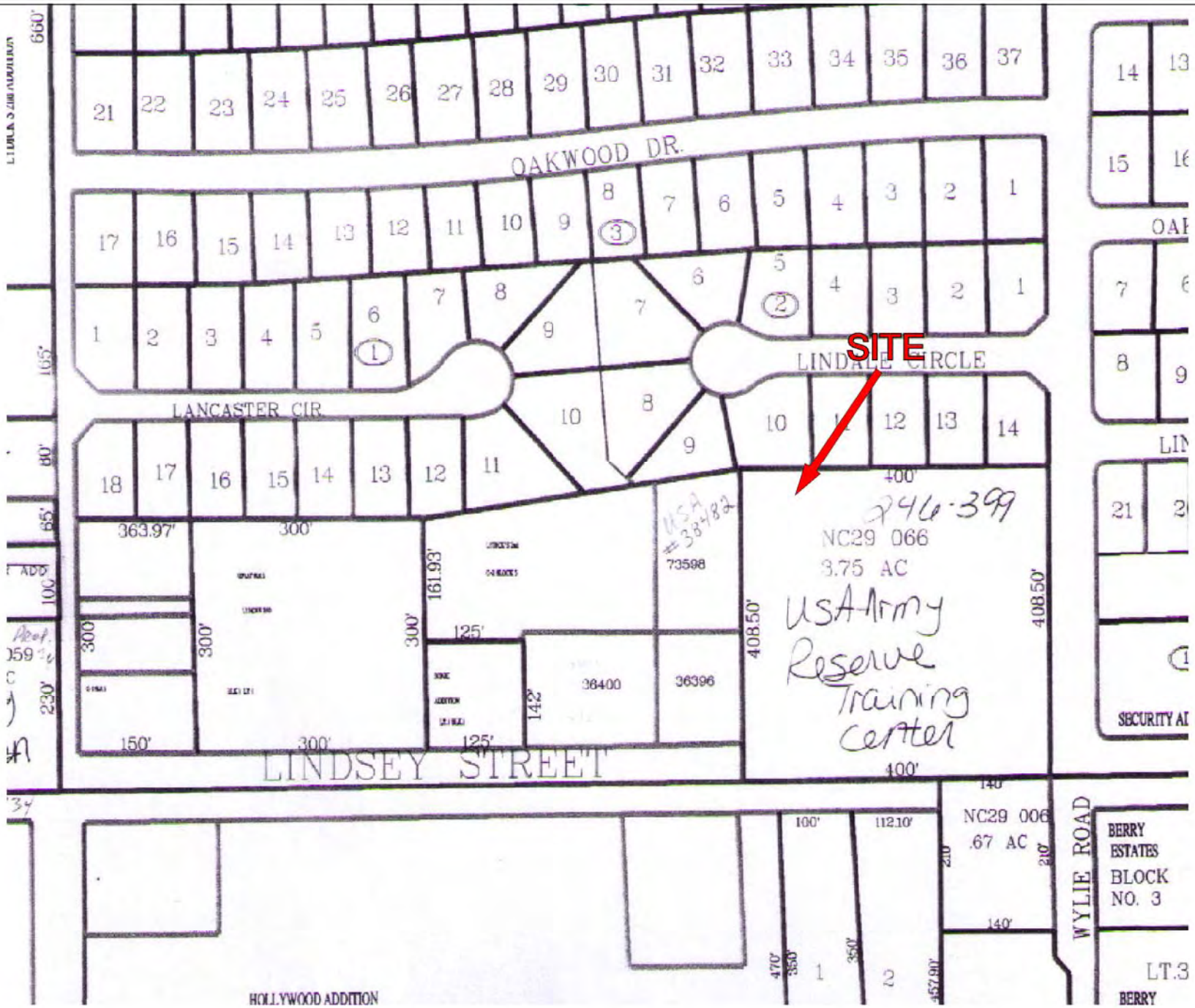
0 300
SCALE IN FEET

SOURCE:
NATURAL RESOURCES CONSERVATION SERVICE

FIGURE 20
2004 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



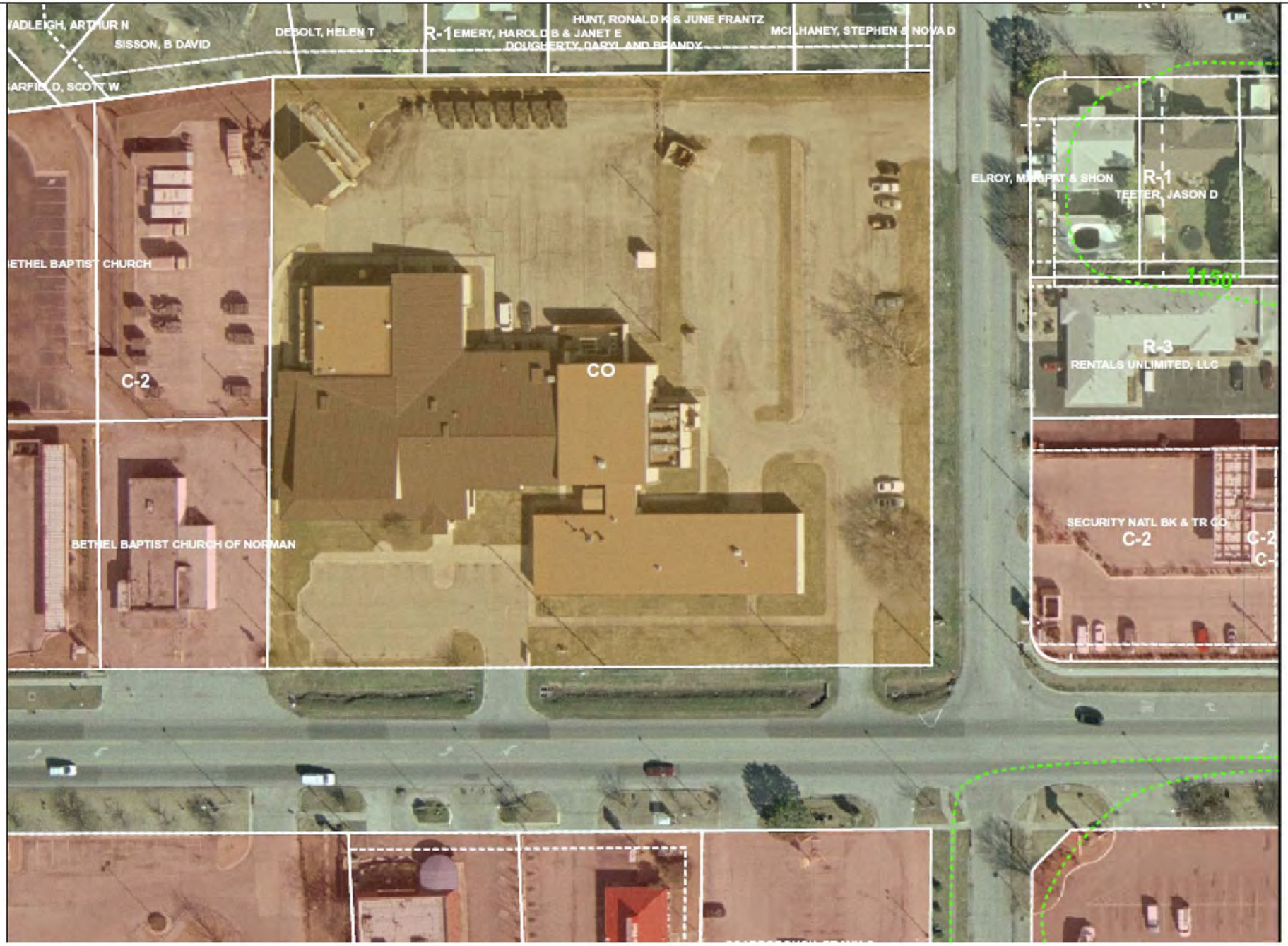
0 0.05
SCALE IN MILES

SOURCE:
NORMAN, OK, ASSESSOR OFFICE, 2005

FIGURE 21
PLAT MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture



0 200

SCALE IN FEET

SOURCE:
NORMAN, OK, ASSESSOR OFFICE, 2005

FIGURE 22
ZONING AND LAND USE MAP
ENVIRONMENTAL CONDITION OF PROPERTY
JOE A. SMALLEY USARC
NORMAN, OKLAHOMA

REQUESTED BY:	
DRAWN BY: WOLSKI	
DWG DATE: 08/11/06	
DWG NO:	

TERRAINE
ENSAFE
8(a) joint venture

Appendix B
Site Photographs

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-810.jpg

Photo Number:
1

Description: Joe A. Smalley USAR Center at 1507 W. Lindsey Street, Norman, OK

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-816.jpg

Photo Number:
2

Description: Smalley USAR Center front entrance and south POV parking lot looking north

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-830.jpg

Photo Number:
3

Description: East side of Training Building looking west across POV parking lot from Wylie Road

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-833.jpg

Photo Number:
4

Description: Northeast side of Training Building and east POV parking lot

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-835.jpg

Photo Number:
5

Description: Gated entrance to MEP area accessed from east POV parking lot

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1628.jpg

Photo Number:
6

Description: Storage rooms located on the north end of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1629.jpg

Photo Number:
7

Description: OMS Building on northern side of Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-842.jpg

Photo Number:
8

Description: Southwest corner of MEP area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1630.jpg

Photo Number:
9

Description: Commons Area in Training Building; typical construction: carpeted floor, drop tile ceilings, and painted sheet rock walls

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1631.jpg

Photo Number:
10

Description: Break Room in Training Building; typical construction: vinyl floor, drop tile ceilings, and painted sheet rock walls

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-918.jpg

Photo Number:
11

Description: Typical restroom; construction: small tile floors, block or sheet rock walls, and drop tile ceilings

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-892.jpg

Photo Number:
12

Description: Unused kitchen equipment in kitchen located in eastern section of Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-902.jpg

Photo Number:
13

Description: Unused freezers in the food storage area located south of kitchen

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-889.jpg

Photo Number:
14

Description: Floor drain in kitchen area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-901.jpg

Photo Number:
15

Description: Floor drain in food storage area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-904.jpg

Photo Number:
16

Description: Assembly / dining area west of kitchen

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-911.jpg

Photo Number:
17

Description: Cleaning supplies in custodian's closet located in the east wing of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-922.jpg

Photo Number:
18

Description: Storage room in east wing of Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-907.jpg

Photo Number:
19

Description: Interior of Arms Room located in the east wing of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-919.jpg

Photo Number:
20

Description: Storage area in east wing of Training Building labeled radioactive

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK -
OK020

File Name:
TEJV-LOUI-0008-
Norman, OK -
OK020-925.jpg

Photo Number:
21

Description: Caged storage area for administrative supplies located in the east wing of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK -
OK020

File Name:
TEJV-LOUI-0008-
Norman, OK -
OK020-915.jpg

Photo Number:
22

Description: Mechanical room in the east wing of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-914.jpg

Photo Number:
23

Description: Floor drain in the east wing mechanical room

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-916.jpg

Photo Number:
24

Description: Floor drain in the east wing mechanical room

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-856.jpg

Photo Number:
25

Description: Storm drain along south side of MEP parking lot outside of main mechanical room

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-848.jpg

Photo Number:
26

Description: Furnace in main mechanical room

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-851.jpg

Photo Number:
27

Description: Water heater insullation covered in mildew in main mechanical room

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-850.jpg

Photo Number:
28

Description: Fan drain in main mechanical room

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-845.jpg

Photo Number:
29

Description: AC unit located northeast of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1632.jpg

Photo Number:
30

Description: Grease trap located east of the kitchen area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK -
OK020

File Name:
TEJV-LOUI-0008-
Norman, OK -
OK020-1633.jpg

Photo Number:
31

Description: Pot wash basin located east of the kitchen area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK -
OK020

File Name:
TEJV-LOUI-0008-
Norman, OK -
OK020-1634.jpg

Photo Number:
32

Description: Transformer located at the northeast corner of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1635.jpg

Photo Number:
33

Description: Non-PCB transformers located south of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1636.jpg

Photo Number:
34

Description: Non-PCB tranformer located west of the Training Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-870.jpg

Photo Number:
35

Description: OMS Building; typical construction: concrete floor, painted block walls, and metal ceiling

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-884.jpg

Photo Number:
36

Description: Air compressors stored in OMS Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK -
OK020

File Name:
TEJV-LOUI-0008-
Norman, OK -
OK020-874.jpg

Photo Number:
37

Description: Miscellaneous items stored in OMS Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK -
OK020

File Name:
TEJV-LOUI-0008-
Norman, OK -
OK020-871.jpg

Photo Number:
38

Description: Empty drums stored in OMS Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-883.jpg

Photo Number:
39

Description: Empty oily rag waste cans stored in OMS Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-858.jpg

Photo Number:
40

Description: Hazardous materials storage unit located in eastern section of MEP area

Project Number: TEJV/LOUI/0008

Tract Number: Norman, OK - OK020

File Name: TEJV-LOUI-0008-Norman, OK - OK020-859.jpg

Photo Number: 41

Description: Interior of hazardous materials storage unit

Project Number: TEJV/LOUI/0008

Tract Number: Norman, OK - OK020

File Name: TEJV-LOUI-0008-Norman, OK - OK020-863.jpg

Photo Number: 42

Description: Miscellaneous items stored in flammable materials storage unit located inside the hazardous materials storage unit

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-862.jpg

Photo Number:
43

Description: Various solvents, grease, and lubricants stored in hazardous materials storage unit

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-865.jpg

Photo Number:
44

Description: DS2 and solvent stored in hazardous materials storage unit

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1637.jpg

Photo Number:
45

Description: Miscellaneous items stored in hazardous materials storage unit

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1638.jpg

Photo Number:
46

Description: Used oil & antifreeze storage container located north of the OMS Building

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1639.jpg

Photo Number:
47

Description: Maintenance ramp and OWS located in the northwest corner of the MEP area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1640.jpg

Photo Number:
48

Description: Water drain for vehicle wash rack

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1641.jpg

Photo Number:
49

Description: New portable storage units located in northeast corner of MEP area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-1642.jpg

Photo Number:
50

Description: Portable storage units located in the northwest corner of the MEP area

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-843.jpg

Photo Number:
51

Description: City culvert along northwest MEP area boundary

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-841.jpg

Photo Number:
52

Description: Concrete paved drain along west side of Training Building looking north

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-814.jpg

Photo Number:
53

Description: Drainage ditch along west side of Training Building and POV parking lot

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-826.jpg

Photo Number:
54

Description: Drainage ditch along east property line looking north

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-823.jpg

Photo Number:
55

Description: Drainage ditch along south property line looking west down W. Lindsey Street

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-818.jpg

Photo Number:
56

Description: Culvert along south property line looking east down W. Lindsey Street

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-819.jpg

Photo Number:
57

Description: South adjacent property: Mexican Restaurant

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-820.jpg

Photo Number:
58

Description: Southwest adjacent property: Strip mall

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-821.jpg

Photo Number:
59

Description: Southeast adjacent property: Pizza Hut

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-828.jpg

Photo Number:
60

Description: East adjacent property: Bank

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-832.jpg

Photo Number:
61

Description: North adjacent properties: Residential

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-844.jpg

Photo Number:
62

Description: Northwest adjacent property: Bethel Baptist Church parking lot

Project Number:
TEJV/LOUI/0008

Tract Number:
Norman, OK - OK020

File Name:
TEJV-LOUI-0008-Norman, OK - OK020-837.jpg

Photo Number:
63

Description: West adjacent properties: Sonic restaurant and overflow parking lot for the Bethel Baptist Church

Appendix C
Chain-of-Title Report

2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281
Phone: (480) 967-6752
Fax Number: (480) 966-9422
Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

JOE A. SMALLEY USARC
1507 W. LINDSEY
NORMAN, OKLAHOMA

Submitted to:

TERRAINE, INC.
4002 Sutherland Ave
Knoxville, Tennessee 37919
(800) 531-1242

Attention: James Young

Project No. N06-4912

Tuesday, August 01, 2006

NETR- Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

All those certain pieces or parcels of land being in Block 5 of Lydick's Second Addition to Norman in Section 36, Township 9 North, Range 3 West, lying and situate in the City of Norman, County of Cleveland, State of Oklahoma.

Assessor's Parcel No: SD70 9 1E 30001

1. HISTORICAL CHAIN OF TITLE

1. LAND PURCHASE DEED:
   RECORDED: 02-25-1907
   GRANTOR: United States of America
   GRANTEE: State of Oklahoma
   INSTRUMENT: Part of the Oklahoma Land Purchase

2. WARRANTY DEED:
   RECORDED: 05-26-1914
   GRANTOR: State of Oklahoma
   GRANTEE: David R. Boyd
   INSTRUMENT: Bk 41, Pg 205

3. WARRANTY DEED:
   RECORDED: 06-30-1934
   GRANTOR: David R. Boyd
   GRANTEE: A. J. Steen
   INSTRUMENT: Bk 97, Pg 106

4. WARRANTY DEED:
   RECORDED: 03-20-1935
   GRANTOR: A. J. Steen
   GRANTEE: J. M. Craig
   INSTRUMENT: Bk 97, Pg 333

5. WARRANTY DEED:
   RECORDED: 10-23-1936
   GRANTOR: J. M. Craig
   GRANTEE: Mollie Duncan
   INSTRUMENT: Bk 109, Pg 407

6. WARRANTY DEED:
   RECORDED: 10-16-1937
   GRANTOR: Mollie Duncan
   GRANTEE: George Long
   INSTRUMENT: Bk 119, Pg 11

7. WARRANTY DEED:
   RECORDED: 09-26-1940
   GRANTOR: George Long
   GRANTEE: C. S. Lydick
   INSTRUMENT: Bk 127, Pg 594

8. WARRANTY DEED:

RECORDED:	02-20-1957
GRANTOR:	C. S. Lydick
GRANTEE:	Lydick's Second Addition, Inc.
INSTRUMENT:	Bk 251, Pg 01

9. WARRANTY DEED:

RECORDED:	02-01-1959
GRANTOR:	Lydick's Second Addition, Inc.
GRANTEE:	R. E. Barbour
INSTRUMENT:	Bk 256, Pg 481

10. WARRANTY DEED:

RECORDED:	01-15-1963
GRANTOR:	R. E. Barbour
GRANTEE:	Juel Sweatte
INSTRUMENT:	Bk 288, Pg 439

11. JUDGEMENT:

RECORDED:	02-20-1988
GRANTOR:	Juel Sweatte
GRANTEE:	American Exchange Bank
INSTRUMENT:	Bk 2082, Pg 408

12. QUITCLAIM DEED:

RECORDED:	03-04-1988
GRANTOR:	FDIC (American Exchange Bank)
GRANTEE:	FDIC
INSTRUMENT:	Bk 2081, Pg 765

13. WARRANTY DEED:

RECORDED:	03-04-1988
GRANTOR:	FDIC
GRANTEE:	Odis Partners
INSTRUMENT:	Bk 2081, Pg 767

14. WARRANTY DEED:

RECORDED:	04-06-1989
GRANTOR:	Odis Partners
GRANTEE:	The Bethel Baptist Church
INSTRUMENT:	Bk 2149, Pg 375

15. WARRANTY DEED:

RECORDED:	11-08-1991
GRANTOR:	The Bethel Baptist Church
GRANTEE:	United States of America
INSTRUMENT:	Bk 2340, Pg 784

2. LEASES AND MISCELLANEOUS

1. No environmental liens, institutional controls or engineering controls were found of record.

3. LIMITATION

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Appendix E
Regulatory Database Search Reports

The EDR Radius Map
with GeoCheck®

Joe A. Smalley USARC
1507 W. Lindsey Street
Norman, OK 73069

Inquiry Number: 1716974.2s

July 18, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: 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

1507 W. LINDSEY STREET
NORMAN, OK 73069

COORDINATES

Latitude (North):	35.204500 - 35˚ 12' 16.2''
Longitude (West):	97.464100 - 97˚ 27' 50.8''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	639812.8
UTM Y (Meters):	3896604.0
Elevation:	1150 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	35097-B4 NORMAN, OK
Most Recent Revision:	1995

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
USARC JOE A. SMALLEY 1507 LINDSEY NORMAN, OK 73069	RCRA-SQG FINDS	OK8210022945

DATABASES WITH NO MAPPED SITES

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

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Voluntary Cleanup & Superfund Site Status Report
SWF/LF	Permitted Solid Waste Disposal & Processing Facilities
LAST	Leaking Aboveground Storage Tanks List
AST	Aboveground Storage Tanks
INST CONTROL	Institutional Control Sites
VCP	Voluntary Cleanup Site Inventory
BROWNFIELDS	Brownfield Sites
OK COMPLAINT	Oklahoma Complaint System Database

TRIBAL RECORDS

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

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

FEDERAL RECORDS

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/09/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SHARPS CLNRS/1704 W LINDSEY (S	***1704 W. LINDSEY ST.***	***0 - 1/8 W***	***A3***	***8***

STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Oklahoma Corporation Commission's Leaking UST list.

A review of the LUST list, as provided by EDR, and dated 05/08/2006 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TEXACO SERVICE STATION 43-013 Facility Status: Confirmed Release Opened Facility Status: Confirmed Release Closed	***1730 W LINDSEY***	***0 - 1/8 W***	***A4***	***9***
CIRCLE K #3767 Facility Status: Confirmed Release Opened Facility Status: Transferred to Indemnity Fund	***1150 W LINDSEY (1212***	***1/4 - 1/2 E***	***11***	***20***
MISTER SHORT STOP #1 Facility Status: Confirmed Release Opened	2007 WEST LINDSEY	1/4 - 1/2 W	12	22

Lower Elevation	Address	Dist / Dir	Map ID	Page
KERR MCGEE #8488 Facility Status: Tank Release Under Control Facility Status: Confirmed Release Opened	***1445 W LINDSEY***	***0 - 1/8 E***	***2***	***6***

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
ANDREWS PHILLIPS 66	***1209 W LINDSEY***	***1/8 - 1/4 E***	***C8***	***15***
Facility Status: Confirmed Release Closed				
Facility Status: Confirmed Release Opened				
TEXACO STATION 43 013 0029	1200 W LINDSEY	1/8 - 1/4 E	C10	20
Facility Status: Suspicion of Release Closed				
Facility Status: Suspicion of Release Opened				

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Oklahoma Corporation Commission's State UST List, List II Version.

A review of the UST list, as provided by EDR, and dated 03/03/2006 has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TEXACO SERVICE STATION 43-013	***1730 W LINDSEY***	***0 - 1/8 W***	***A4***	***9***
BIG RED	***1801 W LINDSEY***	***1/8 - 1/4 W***	***B5***	***11***
K. M. WALLER	***1802 W LINDSEY STR***	***1/8 - 1/4 W***	***B6***	***13***

Lower Elevation	Address	Dist / Dir	Map ID	Page
KERR MCGEE #8488	***1445 W LINDSEY***	***0 - 1/8 E***	***2***	***6***
ANDREWS PHILLIPS 66	***1209 W LINDSEY***	***1/8 - 1/4 E***	***C8***	***15***
STAR FUEL #1017	***1200 W LINDSEY***	***1/8 - 1/4 E***	***C9***	***18***

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

A review of the HIST UST list, as provided by EDR, and dated 03/21/2003 has revealed that there are 6 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TEXACO SERVICE STATION 43-013	***1730 W LINDSEY***	***0 - 1/8 W***	***A4***	***9***
BIG RED	***1801 W LINDSEY***	***1/8 - 1/4 W***	***B5***	***11***
K. M. WALLER	***1802 W LINDSEY STR***	***1/8 - 1/4 W***	***B6***	***13***

Lower Elevation	Address	Dist / Dir	Map ID	Page
KERR MCGEE #8488	***1445 W LINDSEY***	***0 - 1/8 E***	***2***	***6***
ANDREWS PHILLIPS 66	***1209 W LINDSEY***	***1/8 - 1/4 E***	***C8***	***15***
STAR FUEL #1017	***1200 W LINDSEY***	***1/8 - 1/4 E***	***C9***	***18***

DRYCLEANERS: A listing of drycleaner facility locations.

A review of the DRYCLEANERS list, as provided by EDR, and dated 04/12/2006 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

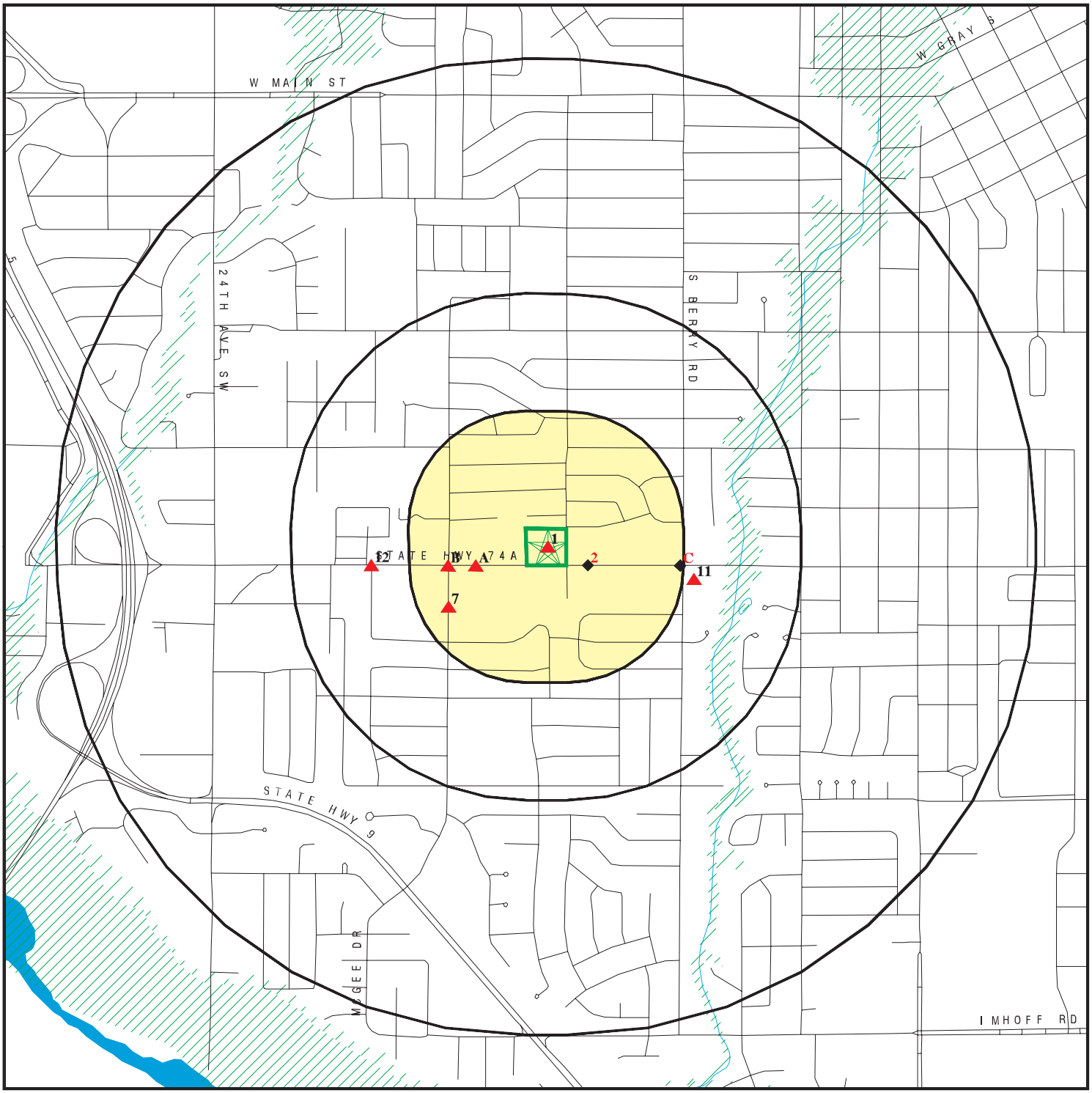
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
1307 MCGEE (HOLLYWOOD CLNRS)	1307 MCGEE	1/8 - 1/4 WSW	7	15

EXECUTIVE SUMMARY

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

Site Name	Database(s)
1404 W LINDSEY (BAND BOX)	DRYCLEANERS
1959 W LINDSEY (CROWN CLNRS)	DRYCLEANERS
1704 W LINDSEY (SHARPS CLNRS)	DRYCLEANERS
CHICKASAW GOLDSBY TRUCK PLAZA	INDIAN UST
U.S. NAVY DUMP GROUNDS	CERCLIS, FINDS
CLEAR BAY TRANSFER STATION	SWF/LF
INDIAN POINT SOLID WASTE TRANSFER STATIO	SWF/LF
ENVIRONMENTAL POLLUTION CONTROL SYSTEMS	SWF/LF
MOORE TRANSFER STATION	SWF/LF
CENTRAL STATE GRIFFIN MEMORIAL HOSPITAL	SWF/LF
LEXINGTON REGIONAL TREATMENT CENTER LAND	SWF/LF
OKLA. DEPT. OF CORRECTIONS-LEXINGTON LAN	SWF/LF
OKLAHOMA MILITARY LANDFILL	SWF/LF
THUNDERBIRD GROCERY	LUST
MEYER'S BROS.	UST, HIST UST
JOHNSONS PAINT AND BODY	RCRA-SQG, FINDS
HENKELS & MCCOY	RCRA-SQG, FINDS
STORM PLASTICS INC	RCRA-SQG, FINDS
NORMAN ASPHALT LANDFILL	ODI

OVERVIEW MAP - 1716974.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Landfill Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

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

SITE NAME: Joe A. Smalley USARC	CLIENT: ENSAFE
ADDRESS: 1507 W. Lindsey Street Norman OK 73069	CONTACT: Phil Hardy INQUIRY #: 1716974.2s
LAT/LONG: 35.2045 / 97.4641	DATE: July 18, 2006

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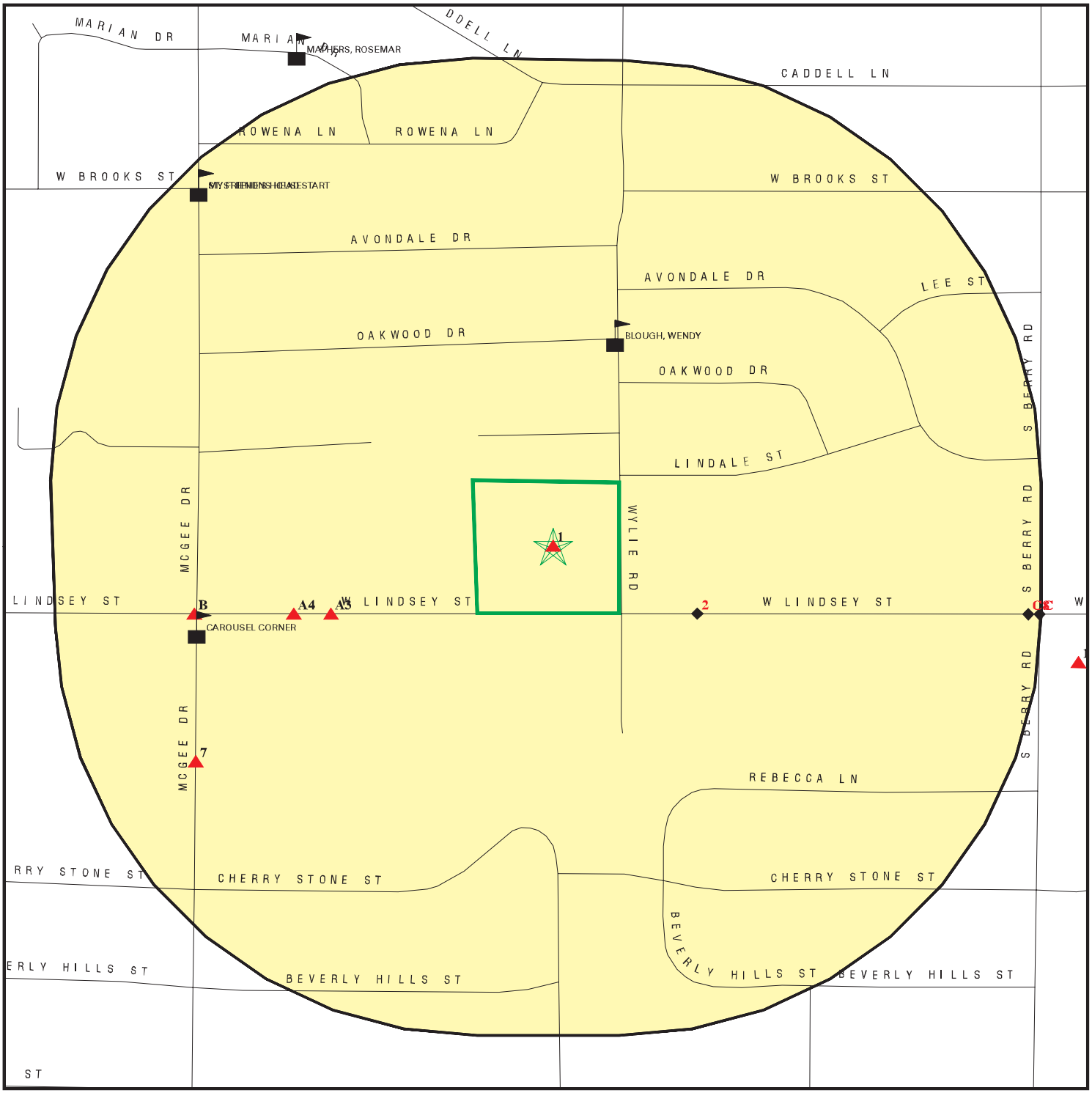
DETAIL MAP - 1716974.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

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

SITE NAME: Joe A. Smalley USARC ADDRESS: 1507 W. Lindsey Street Norman OK 73069 LAT/LONG: 35.2045 / 97.4641	CLIENT: ENSAFE CONTACT: Phil Hardy INQUIRY #: 1716974.2s DATE: July 18, 2006

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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
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	1	0	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
SHWS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	2	2	2	NR	NR	6
UST		0.250	2	4	NR	NR	NR	6
HIST UST		0.250	2	4	NR	NR	NR	6
LAST		0.500	0	0	0	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	1	NR	NR	NR	1
BROWNFIELDS		0.500	0	0	0	NR	NR	0
OK Complaint		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
1 **Target** **Property**	**USARC JOE A. SMALLEY** **1507 LINDSEY** **NORMAN, OK 73069**	**RCRA-SQG** **FINDS**	**1004578513** **OK8210022945**

Actual:
1150 ft.

RCRAInfo:

Owner: US ARMY RESERVE CNTR
(580) 351-4906

EPA ID: OK8210022945

Contact: HAYS KINSLOW
(501) 771-7859

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

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

---

2 **East** **< 1/8** **245 ft.**	**KERR MCGEE #8488** **1445 W LINDSEY** **NORMAN, OK 73069**	**LUST** **UST** **HIST UST**	**U001224449** **N/A**

Relative:
Lower

Actual:
1149 ft.

LUST:

Facility ID: 1400163
Alt Event ID: 1400163*064-0575
Facility Status: Tank Release Under Control
Case Number: 064-0575
Lat/Long Deg : 35˚ 12´ 13.85999965˝ / 97˚ 27´ 44.964000701˝
Lat/Long : 35.20385000 / -97.46249000
Owner ID: 12551
Owner Name: Kerr-McGee Refining Corporation
Lead ID: 38
Alt Facility ID: 1400163

Facility ID: 1400163
Alt Event ID: 1400163*064-0575
Facility Status: Confirmed Release Opened
Case Number: 064-0575
Lat/Long Deg : 35˚ 12´ 13.85999965˝ / 97˚ 27´ 44.964000701˝
Lat/Long : 35.20385000 / -97.46249000
Owner ID: 12551
Owner Name: Kerr-McGee Refining Corporation
Lead ID: 38
Alt Facility ID: 1400163

Facility ID: 1400163
Alt Event ID: 1400163*064-0575
Facility Status: MCL Category II
Case Number: 064-0575
Lat/Long Deg : 35˚ 12´ 13.85999965˝ / 97˚ 27´ 44.964000701˝
Lat/Long : 35.20385000 / -97.46249000
Owner ID: 12551
Owner Name: Kerr-McGee Refining Corporation
Lead ID: 38
Alt Facility ID: 1400163

KERR MCGEE #8488 (Continued) **U001224449**

Facility ID:	1400163
Alt Event ID:	1400163*064-0575
Facility Status:	**Confirmed Release Closed**
Case Number:	064-0575
Lat/Long Deg :	35˚ 12´ 13.85999965˝ / 97˚ 27´ 44.964000701˝
Lat/Long :	35.20385000 / -97.46249000
Owner ID:	12551
Owner Name:	Kerr-McGee Refining Corporation
Lead ID:	38
Alt Facility ID:	1400163

HIST UST:

Facility ID:	1400163	Tank ID:	1
Installed Date:	2/3/1966 0:00:00	Tank Capacity:	10000
Tank Status:	Permanently Out of Use		
Owner:	Kerr-McGee Refining Corporation		
Owner Address:	P.O. Box 25861		
	Oklahoma City, OK 73125		
Product:	Gasoline		

Facility ID:	1400163	Tank ID:	2
Installed Date:	2/4/1976 0:00:00	Tank Capacity:	6000
Tank Status:	Permanently Out of Use		
Owner:	Kerr-McGee Refining Corporation		
Owner Address:	P.O. Box 25861		
	Oklahoma City, OK 73125		
Product:	Diesel		

Facility ID:	1400163	Tank ID:	3
Installed Date:	2/3/1966 0:00:00	Tank Capacity:	300
Tank Status:	Permanently Out of Use		
Owner:	Kerr-McGee Refining Corporation		
Owner Address:	P.O. Box 25861		
	Oklahoma City, OK 73125		
Product:	Used Oil		

Facility ID:	1400163	Tank ID:	4
Installed Date:	2/3/1966 0:00:00	Tank Capacity:	6000
Tank Status:	Permanently Out of Use		
Owner:	Kerr-McGee Refining Corporation		
Owner Address:	P.O. Box 25861		
	Oklahoma City, OK 73125		
Product:	Gasoline		

KERR MCGEE #8488 (Continued) **U001224449**

UST:

Facility ID:	1400163
Tank ID:	1
Lat/Long :	35.20385 / -97.46249
AST:	False
Lat/Long Degrees :	35° 12´ 13.86000˝ / 97° 27´ 44.96400˝
Contact Name:	Kerr-McGee Refining Corporation
Contact Address:	P.O. Box 25861
Contact City,St,Zip:	Oklahoma City, OK 73125

Facility ID:	1400163
Tank ID:	2
Lat/Long :	35.20385 / -97.46249
AST:	False
Lat/Long Degrees :	35° 12´ 13.86000˝ / 97° 27´ 44.96400˝
Contact Name:	Kerr-McGee Refining Corporation
Contact Address:	P.O. Box 25861
Contact City,St,Zip:	Oklahoma City, OK 73125

Facility ID:	1400163
Tank ID:	3
Lat/Long :	35.20385 / -97.46249
AST:	False
Lat/Long Degrees :	35° 12´ 13.86000˝ / 97° 27´ 44.96400˝
Contact Name:	Kerr-McGee Refining Corporation
Contact Address:	P.O. Box 25861
Contact City,St,Zip:	Oklahoma City, OK 73125

Facility ID:	1400163
Tank ID:	4
Lat/Long :	35.20385 / -97.46249
AST:	False
Lat/Long Degrees :	35° 12´ 13.86000˝ / 97° 27´ 44.96400˝
Contact Name:	Kerr-McGee Refining Corporation
Contact Address:	P.O. Box 25861
Contact City,St,Zip:	Oklahoma City, OK 73125

A3 **SHARPS CLNRS/1704 W LINDSEY (SHAR** **RCRA-SQG** **1000117977**
West **1704 W. LINDSEY ST.** **FINDS** **OKD033001876**
< 1/8 **NORMAN, OK 73069**
457 ft.

Site 1 of 2 in cluster A

Relative:
Higher

Actual:
1150 ft.

RCRAInfo:

Owner:	OTTIS SHARP (405) 321-1735
EPA ID:	OKD033001876
Contact:	OTTIS SHARP (405) 329-3434
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

SHARPS CLNRS/1704 W LINDSEY (SHAR (Continued) **1000117977**

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

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

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

A4
West
< 1/8
573 ft.

Relative:
Higher

Actual:
1150 ft.

TEXACO SERVICE STATION 43-013-0061 **LUST** **U001882124**
1730 W LINDSEY **UST** **N/A**
NORMAN, OK 73069 **HIST UST**

Site 2 of 2 in cluster A

LUST:

Facility ID:	1408152
Alt Event ID:	1408152*064-2350
Facility Status:	**Confirmed Release Opened**
Case Number:	064-2350
Lat/Long Deg :	35˚ 12´ 13.15887451˝ / 97˚ 28´ 1.787109375˝
Lat/Long :	35.20365524 / -97.46716308
Owner ID:	809012814
Owner Name:	RICHARD MELOT
Lead ID:	38
Alt Facility ID:	1408152

Facility ID:	1408152
Alt Event ID:	1408152*064-2350
Facility Status:	**Confirmed Release Closed**
Case Number:	064-2350
Lat/Long Deg :	35˚ 12´ 13.15887451˝ / 97˚ 28´ 1.787109375˝
Lat/Long :	35.20365524 / -97.46716308
Owner ID:	809012814
Owner Name:	RICHARD MELOT
Lead ID:	38
Alt Facility ID:	1408152

Facility ID:	1408152
Alt Event ID:	1408152*6C-666
Facility Status:	**Suspicion of Release Closed**
Case Number:	6C-666
Lat/Long Deg :	35˚ 12´ 13.15887451˝ / 97˚ 28´ 1.787109375˝
Lat/Long :	35.20365524 / -97.46716308
Owner ID:	809012814
Owner Name:	RICHARD MELOT
Lead ID:	38
Alt Facility ID:	1408152

Facility ID:	1408152
Alt Event ID:	1408152*6C-666

TEXACO SERVICE STATION 43-013-0061 (Continued) **U001882124**

Facility Status:	**Suspicion of Release Opened**
Case Number:	6C-666
Lat/Long Deg :	35˚ 12´ 13.15887451˝ / 97˚ 28´ 1.787109375˝
Lat/Long :	35.20365524 / -97.46716308
Owner ID:	809012814
Owner Name:	RICHARD MELOT
Lead ID:	38
Alt Facility ID:	1408152

HIST UST:

Facility ID:	1408152	Tank ID:	1
Installed Date:	5/1/1984 0:00:00	Tank Capacity:	550
Tank Status:	Currently in Use		
Owner:	RICHARD MELOT		
Owner Address:	1730 W LINDSEY		
	Norman, OK 73069		
Product:	Used Oil		

Facility ID:	1408152	Tank ID:	2
Installed Date:	5/1/1983 0:00:00	Tank Capacity:	10000
Tank Status:	Currently in Use		
Owner:	RICHARD MELOT		
Owner Address:	1730 W LINDSEY		
	Norman, OK 73069		
Product:	Diesel		

Facility ID:	1408152	Tank ID:	3
Installed Date:	5/1/1984 0:00:00	Tank Capacity:	10000
Tank Status:	Currently in Use		
Owner:	RICHARD MELOT		
Owner Address:	1730 W LINDSEY		
	Norman, OK 73069		
Product:	Gasoline		

Facility ID:	1408152	Tank ID:	4
Installed Date:	5/1/1984 0:00:00	Tank Capacity:	10000
Tank Status:	Currently in Use		
Owner:	RICHARD MELOT		
Owner Address:	1730 W LINDSEY		
	Norman, OK 73069		
Product:	Gasoline		

Facility ID:	1408152	Tank ID:	5
Installed Date:	5/1/1984 0:00:00	Tank Capacity:	12000
Tank Status:	Currently in Use		
Owner:	RICHARD MELOT		
Owner Address:	1730 W LINDSEY		
	Norman, OK 73069		
Product:	Gasoline		

TEXACO SERVICE STATION 43-013-0061 (Continued) **U001882124**

UST:

Facility ID:	1408152
Tank ID:	1
Lat/Long :	35.20366 / -97.46716
AST:	False
Lat/Long Degrees :	35° 12´ 13.15887˝ / 97° 28´ 1.78711˝
Contact Name:	RICHARD MELOT
Contact Address:	1730 W LINDSEY
Contact City,St,Zip:	Norman, OK 73069

Facility ID:	1408152
Tank ID:	2
Lat/Long :	35.20366 / -97.46716
AST:	False
Lat/Long Degrees :	35° 12´ 13.15887˝ / 97° 28´ 1.78711˝
Contact Name:	RICHARD MELOT
Contact Address:	1730 W LINDSEY
Contact City,St,Zip:	Norman, OK 73069

Facility ID:	1408152
Tank ID:	3
Lat/Long :	35.20366 / -97.46716
AST:	False
Lat/Long Degrees :	35° 12´ 13.15887˝ / 97° 28´ 1.78711˝
Contact Name:	RICHARD MELOT
Contact Address:	1730 W LINDSEY
Contact City,St,Zip:	Norman, OK 73069

Facility ID:	1408152
Tank ID:	4
Lat/Long :	35.20366 / -97.46716
AST:	False
Lat/Long Degrees :	35° 12´ 13.15887˝ / 97° 28´ 1.78711˝
Contact Name:	RICHARD MELOT
Contact Address:	1730 W LINDSEY
Contact City,St,Zip:	Norman, OK 73069

Facility ID:	1408152
Tank ID:	5
Lat/Long :	35.20366 / -97.46716
AST:	False
Lat/Long Degrees :	35° 12´ 13.15887˝ / 97° 28´ 1.78711˝
Contact Name:	RICHARD MELOT
Contact Address:	1730 W LINDSEY
Contact City,St,Zip:	Norman, OK 73069

B5 **BIG RED** **UST** **U001882111**
West **1801 W LINDSEY** **HIST UST** **N/A**
1/8-1/4 **NORMAN, OK 73069**
876 ft.

Site 1 of 2 in cluster B

Relative:
Higher

Actual:
1150 ft.

BIG RED (Continued) **U001882111**

HIST UST:

Facility ID:	1407755	Tank ID:	1
Installed Date:	4/8/1984 0:00:00	Tank Capacity:	10152
Tank Status:	Permanently Out of Use		
Owner:	JACK MASTERS INC		
Owner Address:	2132 A WEST MAIN		
	Norman, OK 73070		
Product:	Gasoline		

Facility ID:	1407755	Tank ID:	2
Installed Date:	4/8/1984 0:00:00	Tank Capacity:	7896
Tank Status:	Permanently Out of Use		
Owner:	JACK MASTERS INC		
Owner Address:	2132 A WEST MAIN		
	Norman, OK 73070		
Product:	Gasoline		

Facility ID:	1407755	Tank ID:	3
Installed Date:	4/8/1984 0:00:00	Tank Capacity:	6016
Tank Status:	Permanently Out of Use		
Owner:	JACK MASTERS INC		
Owner Address:	2132 A WEST MAIN		
	Norman, OK 73070		
Product:	Gasoline		

Facility ID:	1407755	Tank ID:	4
Installed Date:	4/8/1984 0:00:00	Tank Capacity:	6016
Tank Status:	Permanently Out of Use		
Owner:	JACK MASTERS INC		
Owner Address:	2132 A WEST MAIN		
	Norman, OK 73070		
Product:	Gasoline		

Facility ID:	1407755	Tank ID:	5
Installed Date:	4/8/1984 0:00:00	Tank Capacity:	550
Tank Status:	Permanently Out of Use		
Owner:	JACK MASTERS INC		
Owner Address:	2132 A WEST MAIN		
	Norman, OK 73070		
Product:	Used Oil		

UST:

Facility ID:	1407755
Tank ID:	1
Lat/Long :	35.20387 / -97.46774
AST:	False
Lat/Long Degrees :	35° 12´ 13.93200˝ / 97° 28´ 3.86400˝
Contact Name:	JACK MASTERS INC
Contact Address:	2132 A WEST MAIN
Contact City,St,Zip:	Norman, OK 73070

BIG RED (Continued) **U001882111**

Facility ID: 1407755
Tank ID: 2
Lat/Long : 35.20387 / -97.46774
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.86400˝
Contact Name: JACK MASTERS INC
Contact Address: 2132 A WEST MAIN
Contact City,St,Zip: Norman, OK 73070

Facility ID: 1407755
Tank ID: 3
Lat/Long : 35.20387 / -97.46774
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.86400˝
Contact Name: JACK MASTERS INC
Contact Address: 2132 A WEST MAIN
Contact City,St,Zip: Norman, OK 73070

Facility ID: 1407755
Tank ID: 4
Lat/Long : 35.20387 / -97.46774
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.86400˝
Contact Name: JACK MASTERS INC
Contact Address: 2132 A WEST MAIN
Contact City,St,Zip: Norman, OK 73070

Facility ID: 1407755
Tank ID: 5
Lat/Long : 35.20387 / -97.46774
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.86400˝
Contact Name: JACK MASTERS INC
Contact Address: 2132 A WEST MAIN
Contact City,St,Zip: Norman, OK 73070

B6 **K. M. WALLER** **UST** **U001882090**
West **1802 W LINDSEY STR** **HIST UST** **N/A**
1/8-1/4 **NORMAN, OK 73069**
884 ft.

Site 2 of 2 in cluster B

Relative: Higher

Actual: 1150 ft.

HIST UST:
Facility ID: 1405384 Tank ID: 1
Installed Date: 4/3/1977 0:00:00 Tank Capacity: 3000
Tank Status: Permanently Out of Use
Owner: K. M. WALLER
Owner Address: 1824 WINDING RIDGE RD

Norman, OK 73072
Product: Gasoline

K. M. WALLER (Continued) **U001882090**

Facility ID: 1405384 Tank ID: 2
Installed Date: 4/3/1977 0:00:00 Tank Capacity: 6000
Tank Status: Permanently Out of Use
Owner: K. M. WALLER
Owner Address: 1824 WINDING RIDGE RD

Norman, OK 73072
Product: Gasoline

Facility ID: 1405384 Tank ID: 3
Installed Date: 4/3/1977 0:00:00 Tank Capacity: 6000
Tank Status: Permanently Out of Use
Owner: K. M. WALLER
Owner Address: 1824 WINDING RIDGE RD

Norman, OK 73072
Product: Gasoline

Facility ID: 1405384 Tank ID: 4
Installed Date: 4/3/1977 0:00:00 Tank Capacity: 8000
Tank Status: Permanently Out of Use
Owner: K. M. WALLER
Owner Address: 1824 WINDING RIDGE RD

Norman, OK 73072
Product: Gasoline

UST:
Facility ID: 1405384
Tank ID: 1
Lat/Long : 35.20387 / -97.46777
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.97200˝
Contact Name: K. M. WALLER
Contact Address: 1824 WINDING RIDGE RD
Contact City,St,Zip: Norman, OK 73072

Facility ID: 1405384
Tank ID: 2
Lat/Long : 35.20387 / -97.46777
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.97200˝
Contact Name: K. M. WALLER
Contact Address: 1824 WINDING RIDGE RD
Contact City,St,Zip: Norman, OK 73072

Facility ID: 1405384
Tank ID: 3
Lat/Long : 35.20387 / -97.46777
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.97200˝
Contact Name: K. M. WALLER
Contact Address: 1824 WINDING RIDGE RD
Contact City,St,Zip: Norman, OK 73072

K. M. WALLER (Continued) **U001882090**

Facility ID: 1405384
Tank ID: 4
Lat/Long : 35.20387 / -97.46777
AST: False
Lat/Long Degrees : 35° 12´ 13.93200˝ / 97° 28´ 3.97200˝
Contact Name: K. M. WALLER
Contact Address: 1824 WINDING RIDGE RD
Contact City,St,Zip: Norman, OK 73072

7
WSW
1/8-1/4
995 ft.

Relative:
Higher

Actual:
1150 ft.

1307 MCGEE (HOLLYWOOD CLNRS) **DRYCLEANERS** **S107517874**
1307 MCGEE **N/A**
NORMAN, OK 73069

Drycleaners:
Facility ID : 3964
Facility Status : Permanently Closed
SIC Code : 7216
NAICS Code : 812320
Company Name : HOLLYWOOD CLNRS

C8
East
1/8-1/4
1280 ft.

Relative:
Lower

Actual:
1148 ft.

ANDREWS PHILLIPS 66 **LUST** **U001224569**
1209 W LINDSEY **UST** **N/A**
NORMAN, OK 73069 **HIST UST**

Site 1 of 3 in cluster C

LUST:
Facility ID: 1404577
Alt Event ID: 1404577*064-0500
Facility Status: Confirmed Release Closed
Case Number: 064-0500
Lat/Long Deg : 35° 12´ 15.27374267˝ / 97° 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 360
Alt Facility ID: 1404577

Facility ID: 1404577
Alt Event ID: 1404577*064-1605
Facility Status: Confirmed Release Opened
Case Number: 064-1605
Lat/Long Deg : 35° 12´ 15.27374267˝ / 97° 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 38
Alt Facility ID: 1404577

Facility ID: 1404577
Alt Event ID: 1404577*064-1605
Facility Status: Confirmed Release Closed
Case Number: 064-1605
Lat/Long Deg : 35° 12´ 15.27374267˝ / 97° 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 38

ANDREWS PHILLIPS 66 (Continued) **U001224569**

Alt Facility ID: 1404577

Facility ID: 1404577
Alt Event ID: 1404577*064-0500
Facility Status: Tank Release Under Control
Case Number: 064-0500
Lat/Long Deg : 35˚ 12´ 15.27374267˝ / 97˚ 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 360
Alt Facility ID: 1404577

Facility ID: 1404577
Alt Event ID: 1404577*064-0500
Facility Status: Confirmed Release Opened
Case Number: 064-0500
Lat/Long Deg : 35˚ 12´ 15.27374267˝ / 97˚ 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 360
Alt Facility ID: 1404577

Facility ID: 1404577
Alt Event ID: 1404577*064-0500
Facility Status: Transferred to Indemnity Fund
Case Number: 064-0500
Lat/Long Deg : 35˚ 12´ 15.27374267˝ / 97˚ 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 360
Alt Facility ID: 1404577

Facility ID: 1404577
Alt Event ID: 1404577*6SC-1099
Facility Status: Suspicion of Release Opened
Case Number: 6SC-1099
Lat/Long Deg : 35˚ 12´ 15.27374267˝ / 97˚ 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 38
Alt Facility ID: 1404577

Facility ID: 1404577
Alt Event ID: 1404577*6SC-1099
Facility Status: Suspicion of Release Closed
Case Number: 6SC-1099
Lat/Long Deg : 35˚ 12´ 15.27374267˝ / 97˚ 27´ 34.129028320˝
Lat/Long : 35.20424270 / -97.45948028
Owner ID: 1097
Owner Name: Chastain-Holland
Lead ID: 38
Alt Facility ID: 1404577

ANDREWS PHILLIPS 66 (Continued) **U001224569**

HIST UST:

Facility ID:	1404577	Tank ID:	1
Installed Date:	4/19/1971 0:00:00	Tank Capacity:	5000
Tank Status:	Currently In Use		
Owner:	Chastain-Holland		
Owner Address:	327 Foreman		
	Norman, OK 73070		
Product:	Gasoline		

Facility ID:	1404577	Tank ID:	2
Installed Date:	4/19/1971 0:00:00	Tank Capacity:	3000
Tank Status:	Currently in Use		
Owner:	Chastain-Holland		
Owner Address:	327 Foreman		
	Norman, OK 73070		
Product:	Gasoline		

Facility ID:	1404577	Tank ID:	3
Installed Date:	4/19/1971 0:00:00	Tank Capacity:	5000
Tank Status:	Currently in Use		
Owner:	Chastain-Holland		
Owner Address:	327 Foreman		
	Norman, OK 73070		
Product:	Gasoline		

Facility ID:	1404577	Tank ID:	4
Installed Date:	1/1/1971 0:00:00	Tank Capacity:	550
Tank Status:	Permanently Out of Use		
Owner:	Chastain-Holland		
Owner Address:	327 Foreman		
	Norman, OK 73070		
Product:	Used Oil		

UST:

Facility ID:	1404577
Tank ID:	1
Lat/Long :	35.20424 / -97.45948
AST:	False
Lat/Long Degrees :	35° 12´ 15.27374˝ / 97° 27´ 34.12903˝
Contact Name:	Chastain-Holland
Contact Address:	327 Foreman
Contact City,St,Zip:	Norman, OK 73070

ANDREWS PHILLIPS 66 (Continued) **U001224569**

Facility ID:	1404577
Tank ID:	2
Lat/Long :	35.20424 / -97.45948
AST:	False
Lat/Long Degrees :	35° 12´ 15.27374˝ / 97° 27´ 34.12903˝
Contact Name:	Chastain-Holland
Contact Address:	327 Foreman
Contact City,St,Zip:	Norman, OK 73070

Facility ID:	1404577
Tank ID:	3
Lat/Long :	35.20424 / -97.45948
AST:	False
Lat/Long Degrees :	35° 12´ 15.27374˝ / 97° 27´ 34.12903˝
Contact Name:	Chastain-Holland
Contact Address:	327 Foreman
Contact City,St,Zip:	Norman, OK 73070

Facility ID:	1404577
Tank ID:	4
Lat/Long :	35.20424 / -97.45948
AST:	False
Lat/Long Degrees :	35° 12´ 15.27374˝ / 97° 27´ 34.12903˝
Contact Name:	Chastain-Holland
Contact Address:	327 Foreman
Contact City,St,Zip:	Norman, OK 73070

C9 **STAR FUEL #1017** **UST** **U001882127**
East **1200 W LINDSEY** **HIST UST** **N/A**
1/8-1/4 **NORMAN, OK 73069**
1315 ft.

Site 2 of 3 in cluster C

Relative:
Lower

Actual:
1148 ft.

HIST UST:

Facility ID:	1408230	Tank ID:	1
Installed Date:	5/1/1972 0:00:00	Tank Capacity:	10000
Tank Status:	Currently in Use		
Owner:	STAR FUEL MARTS LLC		
Owner Address:	7002 N BROADWAY		
	Oklahoma City, OK 73116		
Product:	Gasoline		

Facility ID:	1408230	Tank ID:	2
Installed Date:	5/1/1966 0:00:00	Tank Capacity:	12000
Tank Status:	Currently in Use		
Owner:	STAR FUEL MARTS LLC		
Owner Address:	7002 N BROADWAY		
	Oklahoma City, OK 73116		
Product:	Gasoline		

STAR FUEL #1017 (Continued) **U001882127**

Facility ID: 1408230 Tank ID: 3
Installed Date: 1/1/1986 0:00:00 Tank Capacity: 10000
Tank Status: Currently in Use
Owner: STAR FUEL MARTS LLC
Owner Address: 7002 N BROADWAY

Oklahoma City, OK 73116
Product: Gasoline

Facility ID: 1408230 Tank ID: 4
Installed Date: 1/1/1986 0:00:00 Tank Capacity: 8000
Tank Status: Currently in Use
Owner: STAR FUEL MARTS LLC
Owner Address: 7002 N BROADWAY

Oklahoma City, OK 73116
Product: Gasoline

UST:
Facility ID: 1408230
Tank ID: 1
Lat/Long : 35.20367 / -97.45910
AST: False
Lat/Long Degrees : 35° 12´ 13.20007˝ / 97° 27´ 32.75574˝
Contact Name: STAR FUEL MARTS LLC
Contact Address: 3232 W BRITTON RD STE 277
Contact City,St,Zip: Oklahoma City, OK 73120

Facility ID: 1408230
Tank ID: 2
Lat/Long : 35.20367 / -97.45910
AST: False
Lat/Long Degrees : 35° 12´ 13.20007˝ / 97° 27´ 32.75574˝
Contact Name: STAR FUEL MARTS LLC
Contact Address: 3232 W BRITTON RD STE 277
Contact City,St,Zip: Oklahoma City, OK 73120

Facility ID: 1408230
Tank ID: 3
Lat/Long : 35.20367 / -97.45910
AST: False
Lat/Long Degrees : 35° 12´ 13.20007˝ / 97° 27´ 32.75574˝
Contact Name: STAR FUEL MARTS LLC
Contact Address: 3232 W BRITTON RD STE 277
Contact City,St,Zip: Oklahoma City, OK 73120

Facility ID: 1408230
Tank ID: 4
Lat/Long : 35.20367 / -97.45910
AST: False
Lat/Long Degrees : 35° 12´ 13.20007˝ / 97° 27´ 32.75574˝
Contact Name: STAR FUEL MARTS LLC
Contact Address: 3232 W BRITTON RD STE 277
Contact City,St,Zip: Oklahoma City, OK 73120

C10
East
1/8-1/4
1315 ft.

Relative:
Lower

Actual:
1148 ft.

TEXACO STATION 43 013 0029 — **LUST** — **S104894645**
1200 W LINDSEY — **N/A**
NORMAN, OK 73069

Site 3 of 3 in cluster C

LUST:

Facility ID:	1408230
Alt Event ID:	1408230*064-2462
Facility Status:	**Suspicion of Release Closed**
Case Number:	064-2462
Lat/Long Deg :	35° 12´ 13.20007324˝ / 97° 27´ 32.755737304˝
Lat/Long :	35.20366668 / -97.45909881
Owner ID:	809014206
Owner Name:	STAR FUEL MARTS LLC
Lead ID:	38
Alt Facility ID:	1408230

Facility ID:	1408230
Alt Event ID:	1408230*064-2462
Facility Status:	**Suspicion of Release Opened**
Case Number:	064-2462
Lat/Long Deg :	35° 12´ 13.20007324˝ / 97° 27´ 32.755737304˝
Lat/Long :	35.20366668 / -97.45909881
Owner ID:	809014206
Owner Name:	STAR FUEL MARTS LLC
Lead ID:	38
Alt Facility ID:	1408230

Facility ID:	1408230
Alt Event ID:	1408230*064-2462
Facility Status:	**Confirmed Release Closed**
Case Number:	064-2462
Lat/Long Deg :	35° 12´ 13.20007324˝ / 97° 27´ 32.755737304˝
Lat/Long :	35.20366668 / -97.45909881
Owner ID:	809014206
Owner Name:	STAR FUEL MARTS LLC
Lead ID:	38
Alt Facility ID:	1408230

Facility ID:	1408230
Alt Event ID:	1408230*064-2462
Facility Status:	**Confirmed Release Opened**
Case Number:	064-2462
Lat/Long Deg :	35° 12´ 13.20007324˝ / 97° 27´ 32.755737304˝
Lat/Long :	35.20366668 / -97.45909881
Owner ID:	809014206
Owner Name:	STAR FUEL MARTS LLC
Lead ID:	38
Alt Facility ID:	1408230

11
East
1/4-1/2
1445 ft.

Relative:
Higher

Actual:
1150 ft.

CIRCLE K #3767 — **LUST** — **U001882101**
1150 W LINDSEY (1212 S BERRY ROAD) — **UST** — **N/A**
NORMAN, OK 73069 — **HIST UST**

LUST:

Facility ID:	1406692
Alt Event ID:	1406692*064-1052
Facility Status:	**Confirmed Release Opened**
Case Number:	064-1052
Lat/Long Deg :	Not reported
Lat/Long :	Not reported

CIRCLE K #3767 (Continued) **U001882101**

Owner ID: 10906
Owner Name: CIRCLE K STORES, INC.
Lead ID: 38
Alt Facility ID: 1406692

Facility ID: 1406692
Alt Event ID: 1406692*064-1052
Facility Status: Transferred to Indemnity Fund
Case Number: 064-1052
Lat/Long Deg : Not reported
Lat/Long : Not reported
Owner ID: 10906
Owner Name: CIRCLE K STORES, INC.
Lead ID: 38
Alt Facility ID: 1406692

Facility ID: 1406692
Alt Event ID: 1406692*064-1052
Facility Status: Confirmed Release Closed
Case Number: 064-1052
Lat/Long Deg : Not reported
Lat/Long : Not reported
Owner ID: 10906
Owner Name: CIRCLE K STORES, INC.
Lead ID: 38
Alt Facility ID: 1406692

HIST UST:

Facility ID:	1406692	Tank ID:	1
Installed Date:	4/23/1984 0:00:00	Tank Capacity:	10000
Tank Status:	Permanently Out of Use		
Owner:	CIRCLE K STORES, INC.		
Owner Address:	PO BOX 52084		
	Phoenix, AZ 85072		
Product:	Gasoline		

Facility ID:	1406692	Tank ID:	2
Installed Date:	4/23/1984 0:00:00	Tank Capacity:	10000
Tank Status:	Permanently Out of Use		
Owner:	CIRCLE K STORES, INC.		
Owner Address:	PO BOX 52084		
	Phoenix, AZ 85072		
Product:	Gasoline		

Facility ID:	1406692	Tank ID:	3
Installed Date:	4/23/1984 0:00:00	Tank Capacity:	10000
Tank Status:	Permanently Out of Use		
Owner:	CIRCLE K STORES, INC.		
Owner Address:	PO BOX 52084		
	Phoenix, AZ 85072		
Product:	Gasoline		

CIRCLE K #3767 (Continued) **U001882101**

UST:

Facility ID:	1406692
Tank ID:	1
Lat/Long :	35.20325 / -97.45921
AST:	False
Lat/Long Degrees :	35° 12´ 11.70000˝ / 97° 27´ 33.17000˝
Contact Name:	CIRCLE K STORES, INC.
Contact Address:	PO BOX 52084
Contact City,St,Zip:	Phoenix, AZ 85072

Facility ID:	1406692
Tank ID:	2
Lat/Long :	35.20325 / -97.45921
AST:	False
Lat/Long Degrees :	35° 12´ 11.70000˝ / 97° 27´ 33.17000˝
Contact Name:	CIRCLE K STORES, INC.
Contact Address:	PO BOX 52084
Contact City,St,Zip:	Phoenix, AZ 85072

Facility ID:	1406692
Tank ID:	3
Lat/Long :	35.20325 / -97.45921
AST:	False
Lat/Long Degrees :	35° 12´ 11.70000˝ / 97° 27´ 33.17000˝
Contact Name:	CIRCLE K STORES, INC.
Contact Address:	PO BOX 52084
Contact City,St,Zip:	Phoenix, AZ 85072

12
West
1/4-1/2
1745 ft.

Relative:
Higher

Actual:
1150 ft.

MISTER SHORT STOP #1 **LUST** **S103840260**
2007 WEST LINDSEY **N/A**
NORMAN, OK 73069

LUST:

Facility ID:	1400936
Alt Event ID:	1400936*064-2254
Facility Status:	**Confirmed Release Opened**
Case Number:	064-2254
Lat/Long Deg :	35° 12´ 15.58959960˝ / 97° 28´ 13.954467773˝
Lat/Long :	35.20433044 / -97.47054290
Owner ID:	5532
Owner Name:	Rutherford Oil Company
Lead ID:	258
Alt Facility ID:	1400936

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLEVELAND COUNTY	S106496465	CLEAR BAY TRANSFER STATION	W/2 NE/4 NE/4 NE/4 NW/4 OF S6 T8N R1E		SWF/LF
CLEVELAND COUNTY	S106496466	INDIAN POINT SOLID WASTE TRANSFER STATIO	E/2 NE/4 NE/4 SE/4 SE/4 OF S24 T9N R1W		SWF/LF
CLEVELAND COUNTY	S106496459	ENVIRONMENTAL POLLUTION CONTROL SYSTEMS	N/2 NW/4 OF S35 T10N R3W		SWF/LF
CLEVELAND COUNTY	S106496464	MOORE TRANSFER STATION	NE/4 OF S10 T10N R3W		SWF/LF
CLEVELAND COUNTY	S107030521	CENTRAL STATE GRIFFIN MEMORIAL HOSPITAL	NE/4 S28 T9N R2W		SWF/LF
CLEVELAND COUNTY	S106496460	LEXINGTON REGIONAL TREATMENT CENTER LAND	S/2 SE/4 SE/4 S33 T7N R1E		SWF/LF
CLEVELAND COUNTY	S106496462	OKLA. DEPT. OF CORRECTIONS-LEXINGTON LAN	SE/4 SE/4 SE/4 OF S32 T7N R1E		SWF/LF
CLEVELAND COUNTY	S106496463	OKLAHOMA MILITARY LANDFILL	NW/4 SE/4 NE/4 OF S24 T9N R3W		SWF/LF
NEWCASTLE	1001203301	JOHNSONS PAINT AND BODY	2.5M WEST OF I-35 ON HWY 9 W	73072	RCRA-SQG, FINDS
NORMAN	U001227920	MEYER'S BROS.	RT. 1 BOX 156B	73072	UST, HIST UST
NORMAN	1004769251	HENKELS & MCCOY	HWY 9 1M W OF I-35	73072	RCRA-SQG, FINDS
NORMAN	S106118365	CHICKASAW GOLDSBY TRUCK PLAZA	1544 HWY 9 WEST @ I-35	73072	INDIAN UST
NORMAN	1007445098	NORMAN ASPHALT LANDFILL	CHATAUGA STREET SOUTH OF STATE HIGHWAY 9		ODI
NORMAN	S104317216	THUNDERBIRD GROCERY	10750 E. HWY 9	73072	LUST
NORMAN	S107517665	1404 W LINDSEY (BAND BOX)	1404 W LINDSEY ST	73069	DRYCLEANERS
NORMAN	S107517773	1959 W LINDSEY (CROWN CLNRS)	1959 W LINDSEY ST	73069	DRYCLEANERS
NORMAN	S107517920	1704 W LINDSEY (SHARPS CLNRS)	1704 W LINDSEY ST	73069	DRYCLEANERS
NORMAN	1004769433	STORM PLASTICS INC	RURAL ROUTE 1 BOX 110-A	73069	RCRA-SQG, FINDS
NORMAN	1000709131	U.S. NAVY DUMP GROUNDS	EAST SIDE OF SOUTHERN END OF JENKINS ST.	73069	CERCLIS, FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

FEDERAL RECORDS

NPL: National Priority List

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

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
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 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

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

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

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/23/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/21/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

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

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

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

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
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: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

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: 04/26/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

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: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 07/24/2006
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: 04/13/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 32

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

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: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

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

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: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 03/29/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

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

Date of Government Version: 03/31/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

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: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 12/27/2005
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 19

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Annually

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: 04/12/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

MINES: Mines Master Index File

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

Date of Government Version: 02/09/2006
Date Data Arrived at EDR: 03/29/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

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: 04/27/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 28

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
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: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Voluntary Cleanup & Superfund Site Status Report

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/10/2006
Date Made Active in Reports: 05/12/2006
Number of Days to Update: 32

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 06/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Varies

SWF/LF: Permitted Solid Waste Disposal & Processing Facilities

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

Date of Government Version: 05/19/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 07/03/2006
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 405-702-5184
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Semi-Annually

LUST: Leaking Underground Storage Tank List

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

Date of Government Version: 05/08/2006
Date Data Arrived at EDR: 05/08/2006
Date Made Active in Reports: 05/26/2006
Number of Days to Update: 18

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 05/08/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

UST: Underground Storage Tank Listing

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

Date of Government Version: 03/03/2006
Date Data Arrived at EDR: 03/03/2006
Date Made Active in Reports: 04/03/2006
Number of Days to Update: 31

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

HIST UST: Underground Storage Tank List, List II Version

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

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

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: No Update Planned

LAST: Leaking Aboveground Storage Tanks List

Date of Government Version: 05/08/2006
Date Data Arrived at EDR: 05/08/2006
Date Made Active in Reports: 05/26/2006
Number of Days to Update: 18

Source: Oklahoma Corporation Commission
Telephone: 405-522-4640
Last EDR Contact: 05/08/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

AST: Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 03/03/2006
Date Data Arrived at EDR: 03/03/2006
Date Made Active in Reports: 04/03/2006
Number of Days to Update: 31

Source: Oklahoma Corporation Commission
Telephone: 405-521-3107
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

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

Date of Government Version: 06/12/2006
Date Data Arrived at EDR: 06/13/2006
Date Made Active in Reports: 07/17/2006
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

VCP: Voluntary Cleanup Site Inventory

Date of Government Version: 06/12/2006
Date Data Arrived at EDR: 06/13/2006
Date Made Active in Reports: 07/17/2006
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facilities
A listing of drycleaner facility locations.

Date of Government Version: 04/12/2006
Date Data Arrived at EDR: 04/13/2006
Date Made Active in Reports: 05/12/2006
Number of Days to Update: 29

Source: Department of Environmental Quality
Telephone: 405-702-9100
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Varies

BROWNFIELDS: Brownfield Sites

Date of Government Version: 12/13/2005
Date Data Arrived at EDR: 12/13/2005
Date Made Active in Reports: 01/23/2006
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 405-702-5100
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

OK COMPLAINT: Oklahoma Complaint System Database
Environmental complaints reported to the Oklahoma Corporation Commission.

Date of Government Version: 03/27/2006
Date Data Arrived at EDR: 04/05/2006
Date Made Active in Reports: 05/12/2006
Number of Days to Update: 37

Source: Oklahoma Corporation Commission
Telephone: 405-521-2384
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

TRIBAL RECORDS

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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

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

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

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

INDIAN UST: USTs on Indian Land

Date of Government Version: 12/14/2005
Date Data Arrived at EDR: 12/14/2005
Date Made Active in Reports: 01/23/2006
Number of Days to Update: 40

Source: Environmental Protection Agency, Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

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

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

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

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

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

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

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

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

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

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

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: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

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

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

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

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers
Source: Department of Human Services
Telephone: 405-521-3561

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

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

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

JOE A. SMALLEY USARC
1507 W. LINDSEY STREET
NORMAN, OK 73069

TARGET PROPERTY COORDINATES

Latitude (North):	35.20450 - 35˚ 12' 16.2''
Longitude (West):	97.4641 - 97˚ 27' 50.8''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	639812.8
UTM Y (Meters):	3896604.0
Elevation:	1150 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	35097-B4 NORMAN, OK
Most Recent Revision:	1995

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

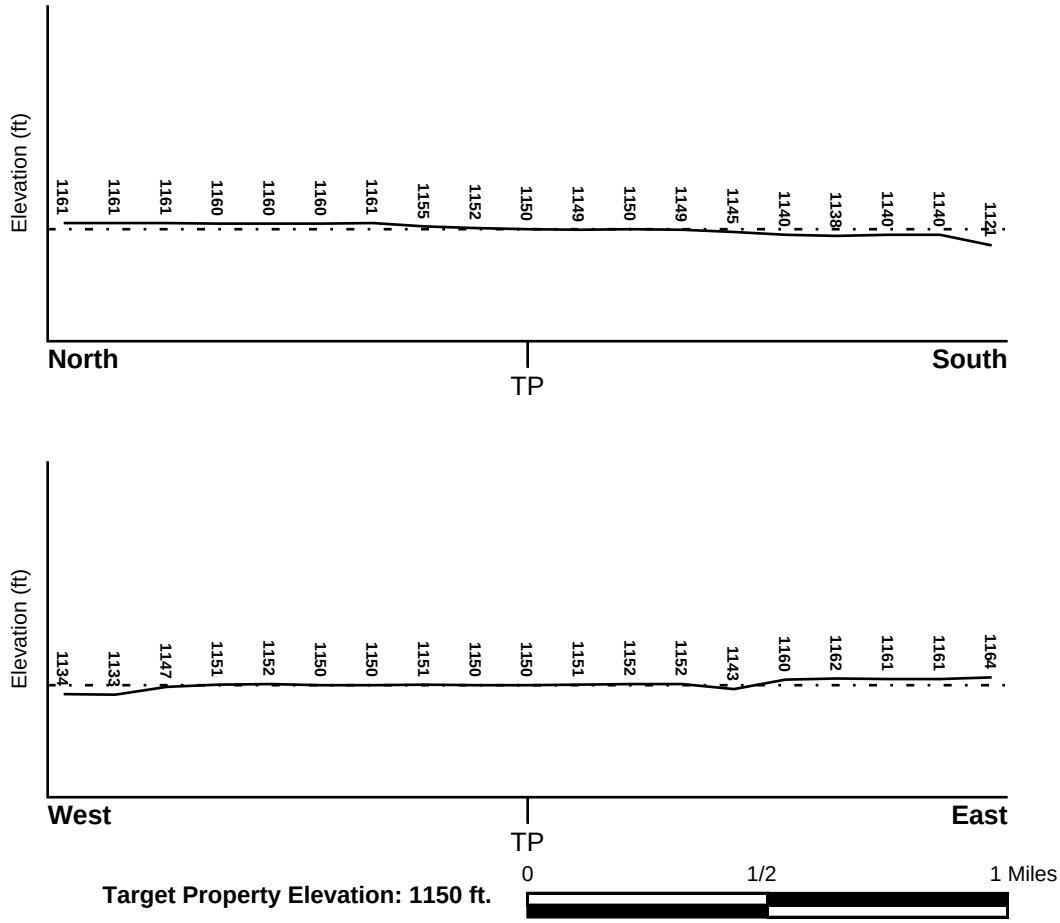
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1150 ft.

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

Target Property County	FEMA Flood Electronic Data
CLEVELAND, OK	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	4000460015B
Additional Panels in search area:	4000460020B 4000460060C 4000460055C

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NORMAN	Not Available

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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:	Paleozoic
System:	Permian
Series:	Upper part of Leonardian Series
Code:	P2b *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

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

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:	TELLER
Soil Surface Texture:	fine sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel:	LOW
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	20 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
2	20 inches	42 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
3	42 inches	70 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 5.60

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: silt loam
loamy fine sand

Surficial Soil Types: silt loam
loamy fine sand

Shallow Soil Types: loam
clay loam
fine sandy loam

Deeper Soil Types: silty clay loam
loam
silty clay
weathered bedrock

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C8	USGS2725827	1/8 - 1/4 Mile WSW
10	USGS2725999	1/8 - 1/4 Mile SW
D25	USGS2725843	1/8 - 1/4 Mile East
D26	USGS2725842	1/8 - 1/4 Mile East
42	USGS2725986	1/4 - 1/2 Mile SE
H46	USGS2725976	1/4 - 1/2 Mile SSW
H49	USGS2725969	1/2 - 1 Mile SSW
50	USGS2725865	1/2 - 1 Mile NE
L85	USGS2725955	1/2 - 1 Mile SE
86	USGS2725987	1/2 - 1 Mile WSW
L87	USGS2725962	1/2 - 1 Mile SSE
L88	USGS2725963	1/2 - 1 Mile SSE
K89	USGS2725828	1/2 - 1 Mile West
M91	USGS2725876	1/2 - 1 Mile NW
M93	USGS2725879	1/2 - 1 Mile NW
94	USGS2725880	1/2 - 1 Mile NE
N95	USGS2725824	1/2 - 1 Mile West
O96	USGS2725994	1/2 - 1 Mile WSW
P98	USGS2725872	1/2 - 1 Mile NW
P99	USGS2725871	1/2 - 1 Mile NW
O109	USGS2725989	1/2 - 1 Mile WSW
Q112	USGS2725882	1/2 - 1 Mile NE
113	USGS2725945	1/2 - 1 Mile SSE
115	USGS2725960	1/2 - 1 Mile SW
118	USGS2725899	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I51	OK2001432	1/2 - 1 Mile West

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	OK00018787	0 - 1/8 Mile ENE

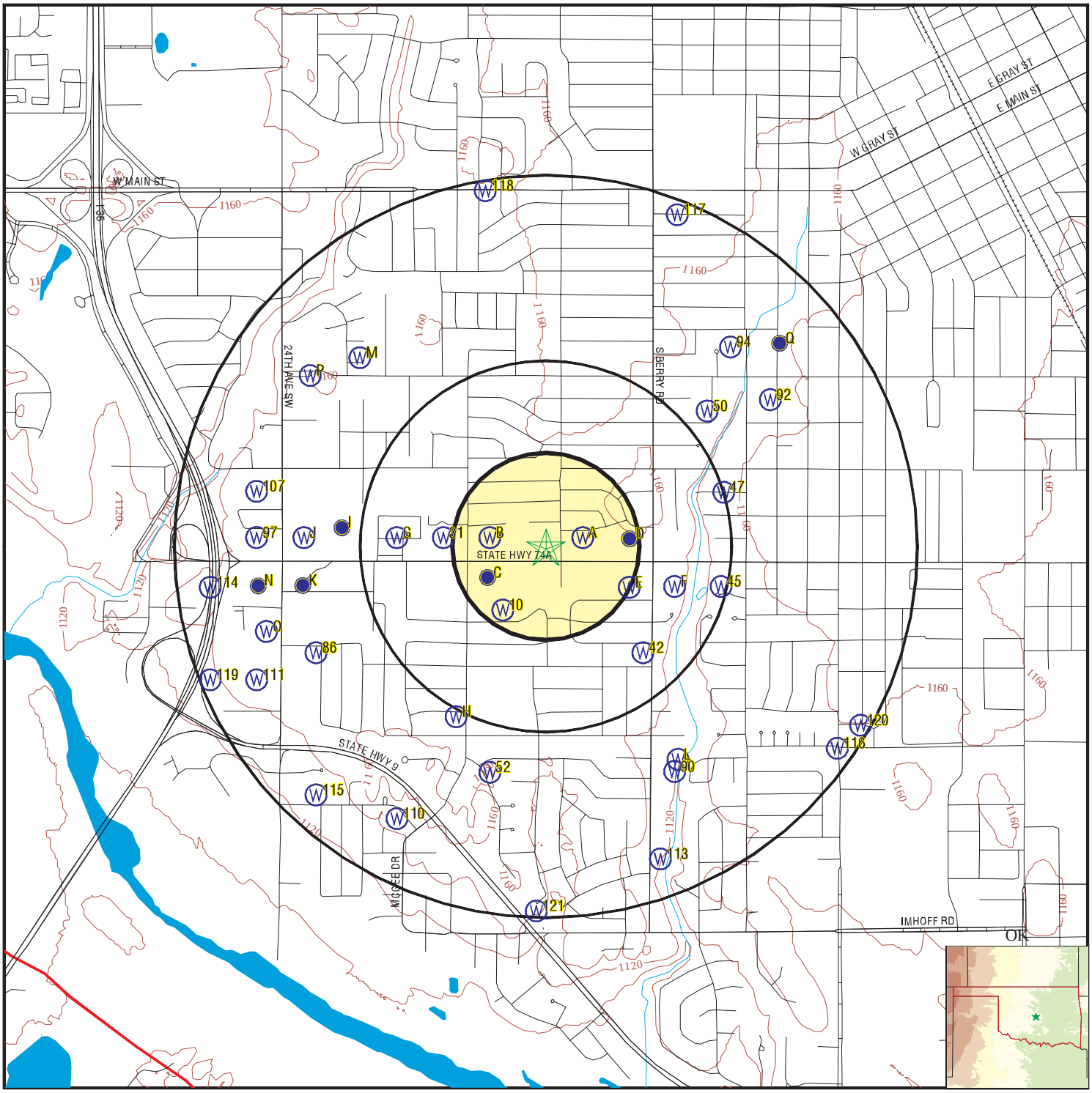
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	OK00018667	0 - 1/8 Mile ENE
B3	OK00018880	1/8 - 1/4 Mile West
B4	OK00018668	1/8 - 1/4 Mile West
B5	OK00018666	1/8 - 1/4 Mile West
B6	OK00018882	1/8 - 1/4 Mile West
B7	OK00018881	1/8 - 1/4 Mile West
C9	OK00018111	1/8 - 1/4 Mile SW
D11	OK00018878	1/8 - 1/4 Mile East
D12	OK00019583	1/8 - 1/4 Mile East
D13	OK00019857	1/8 - 1/4 Mile East
D14	OK00018789	1/8 - 1/4 Mile East
D15	OK00018611	1/8 - 1/4 Mile East
D16	OK00019860	1/8 - 1/4 Mile East
D17	OK00019859	1/8 - 1/4 Mile East
D18	OK00019858	1/8 - 1/4 Mile East
D19	OK00019352	1/8 - 1/4 Mile East
D20	OK00018192	1/8 - 1/4 Mile East
D21	OK00018191	1/8 - 1/4 Mile East
D22	OK00018610	1/8 - 1/4 Mile East
D23	OK00018600	1/8 - 1/4 Mile East
D24	OK00019283	1/8 - 1/4 Mile East
E27	OK00019606	1/4 - 1/2 Mile ESE
E28	OK00018759	1/4 - 1/2 Mile ESE
E29	OK00018758	1/4 - 1/2 Mile ESE
E30	OK00018761	1/4 - 1/2 Mile ESE
31	OK00018879	1/4 - 1/2 Mile West
F32	OK00018500	1/4 - 1/2 Mile ESE
F33	OK00018499	1/4 - 1/2 Mile ESE
F34	OK00018501	1/4 - 1/2 Mile ESE
F35	OK00018503	1/4 - 1/2 Mile ESE
F36	OK00018502	1/4 - 1/2 Mile ESE
F37	OK00018495	1/4 - 1/2 Mile ESE
F38	OK00018493	1/4 - 1/2 Mile ESE
F39	OK00018496	1/4 - 1/2 Mile ESE
F40	OK00018498	1/4 - 1/2 Mile ESE
F41	OK00018497	1/4 - 1/2 Mile ESE
G43	OK00018098	1/4 - 1/2 Mile West
G44	OK00019428	1/4 - 1/2 Mile West
45	OK00018494	1/4 - 1/2 Mile ESE
47	OK00017934	1/2 - 1 Mile ENE
I48	OK00018788	1/2 - 1 Mile West
52	OK00016161	1/2 - 1 Mile SSW
J53	OK00017966	1/2 - 1 Mile West
J54	OK00018670	1/2 - 1 Mile West
J55	OK00018671	1/2 - 1 Mile West
J56	OK00018669	1/2 - 1 Mile West
J57	OK00018664	1/2 - 1 Mile West
J58	OK00018665	1/2 - 1 Mile West
J59	OK00018672	1/2 - 1 Mile West
J60	OK00018676	1/2 - 1 Mile West
J61	OK00018677	1/2 - 1 Mile West
J62	OK00018675	1/2 - 1 Mile West

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J63	OK00018673	1/2 - 1 Mile West
J64	OK00018674	1/2 - 1 Mile West
J65	OK00018663	1/2 - 1 Mile West
J66	OK00018656	1/2 - 1 Mile West
J67	OK00018655	1/2 - 1 Mile West
J68	OK00018654	1/2 - 1 Mile West
J69	OK00018657	1/2 - 1 Mile West
J70	OK00018660	1/2 - 1 Mile West
J71	OK00018659	1/2 - 1 Mile West
J72	OK00018658	1/2 - 1 Mile West
J73	OK00018662	1/2 - 1 Mile West
J74	OK00018661	1/2 - 1 Mile West
J75	OK00018653	1/2 - 1 Mile West
K76	OK00019553	1/2 - 1 Mile West
K77	OK00018763	1/2 - 1 Mile West
K78	OK00018764	1/2 - 1 Mile West
K79	OK00018765	1/2 - 1 Mile West
K80	OK00018762	1/2 - 1 Mile West
K81	OK00017967	1/2 - 1 Mile West
K82	OK00018757	1/2 - 1 Mile West
K83	OK00018760	1/2 - 1 Mile West
K84	OK00019211	1/2 - 1 Mile West
90	OK00019628	1/2 - 1 Mile SSE
92	OK00018277	1/2 - 1 Mile ENE
97	OK00018618	1/2 - 1 Mile West
N100	OK00018768	1/2 - 1 Mile West
N101	OK00019569	1/2 - 1 Mile West
N102	OK00018767	1/2 - 1 Mile West
N103	OK00019643	1/2 - 1 Mile West
N104	OK00019619	1/2 - 1 Mile West
N105	OK00018769	1/2 - 1 Mile West
N106	OK00016723	1/2 - 1 Mile West
107	OK00018619	1/2 - 1 Mile West
Q108	OK00018278	1/2 - 1 Mile NE
110	OK00019547	1/2 - 1 Mile SSW
111	OK00020002	1/2 - 1 Mile WSW
114	OK00018766	1/2 - 1 Mile West
116	OK00019864	1/2 - 1 Mile SE
117	OK00019427	1/2 - 1 Mile NNE
119	OK00019345	1/2 - 1 Mile WSW
120	OK00019246	1/2 - 1 Mile ESE
121	OK00017725	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 1716974.2s



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

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location

N

SITE NAME: Joe A. Smalley USARC ADDRESS: 1507 W. Lindsey Street Norman OK 73069 LAT/LONG: 35.2045 / 97.4641	CLIENT: ENSAFE CONTACT: Phil Hardy INQUIRY #: 1716974.2s DATE: July 18, 2006

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **ENE** **0 - 1/8 Mile** **Higher**	**OK WELLS**	**OK00018787**

Well id:	57312		
Well name:	n/a	County:	Cleveland
Owner name:	JOE KS SUNOCO	Qtrs:	SWSESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.46234	Date const:	11/19/91
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	14
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

A2 **ENE** **0 - 1/8 Mile** **Higher**	**OK WELLS**	**OK00018667**

Well id:	57230		
Well name:	n/a	County:	Cleveland
Owner name:	KERR-MCGEE	Qtrs:	SWSESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.46234	Date const:	08/19/92
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

B3 **West** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00018880**

Well id:	57400		
Well name:	n/a	County:	Cleveland
Owner name:	KERR-MCGEE	Qtrs:	SWSWSE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.466763	Date const:	01/15/99
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	31
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

B4 **West** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00018668**

Well id:	57231		
Well name:	n/a	County:	Cleveland
Owner name:	KERR-MCGEE	Qtrs:	SWSWSE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.466763	Date const:	11/23/92
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	31.5
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

B5
West
1/8 - 1/4 Mile
Higher

OK WELLS **OK00018666**

Well id:	57229		
Well name:	n/a	County:	Cleveland
Owner name:	KERR-MCGEE	Qtrs:	SWSWSE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.466763	Date const:	11/23/92
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	31.5
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

B6
West
1/8 - 1/4 Mile
Higher

OK WELLS **OK00018882**

Well id:	57402		
Well name:	n/a	County:	Cleveland
Owner name:	KERR-MCGEE	Qtrs:	SWSWSE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.466763	Date const:	01/15/99
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	34
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

B7
West
1/8 - 1/4 Mile
Higher

OK WELLS **OK00018881**

Well id:	57401		
Well name:	n/a	County:	Cleveland
Owner name:	KERR-MCGEE	Qtrs:	SWSWSE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.466763	Date const:	01/15/99
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	32
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
C8 **WSW** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS2725827**

Agency cd:	USGS	Site no:	351213097280001
Site name:	08N-02W-01 ABB 1		
Latitude:	351213		
Longitude:	0972800	Dec lat:	35.20367778
Dec lon:	-97.466978	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NWNWNES01 T08N R02W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1148	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	GARBER SANDSTONE		
Well depth:	87.0	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:	1958-06-03	Ground water data end date:	1958-06-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-06-03	50	

C9 **SW** **1/8 - 1/4 Mile** **Higher**		**OK WELLS**	**OK00018111**

Well id:	49276		
Well name:	n/a	County:	Cleveland
Owner name:	Texaco	Qtrs:	NWNWNE
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.466762	Date const:	12/08/99
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
10 SW 1/8 - 1/4 Mile Higher	**FED USGS**	**USGS2725999**

Agency cd:	USGS	Site no:	351207097275701
Site name:	08N-03W-01 ABB 1		
Latitude:	351207		
Longitude:	0972757	Dec lat:	35.20201139
Dec lon:	-97.4661447	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NWNWNES01 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1148	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	87.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	464008200
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:	1958-06-03	Ground water data end date:	1958-06-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-06-03	50.00	

D11 East 1/8 - 1/4 Mile Higher	**OK WELLS**	**OK00018878**	

Well id:	57398		
Well name:	n/a	County:	Cleveland
Owner name:	PROFESSIONAL ENGINEERING	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	03/08/99
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	25
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
D12 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00019583**

Well id:	70924		
Well name:	n/a	County:	Cleveland
Owner name:	Chastain-Holland c/o Prof. Eng	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	06/04/02
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	27
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D13 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00019857**

Well id:	79893		
Well name:	n/a	County:	Cleveland
Owner name:	Ms. Jean Holland c/o Profe. En	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	07/16/03
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	20
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D14 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00018789**

Well id:	57316		
Well name:	n/a	County:	Cleveland
Owner name:	DAY CARE CENTER	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	01/13/96
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	18
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D15 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00018611**

Well id:	57176		
Well name:	n/a	County:	Cleveland
Owner name:	Ms. Jean Holland c/o Profe. En	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	01/09/01
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D16
East
1/8 - 1/4 Mile
Higher

OK WELLS **OK00019860**

Well id:	79900		
Well name:	n/a	County:	Cleveland
Owner name:	Ms.Jean Holland c/o Prof. Eng.	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	07/10/03
Dpc no:	DPC-0269	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D17
East
1/8 - 1/4 Mile
Higher

OK WELLS **OK00019859**

Well id:	79897		
Well name:	n/a	County:	Cleveland
Owner name:	Ms.Jean Holland c/o Prof. Eng.	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	07/10/03
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	25
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D18
East
1/8 - 1/4 Mile
Higher

OK WELLS **OK00019858**

Well id:	79896		
Well name:	n/a	County:	Cleveland
Owner name:	Ms.Jean Holland c/o Prof. Eng.	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	07/10/03
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	20
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
D19 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00019352**

Well id:	62010		
Well name:	n/a	County:	Cleveland
Owner name:	Ms. Jean Holland c/o Professio	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	01/09/01
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D20 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00018192**

Well id:	54953		
Well name:	n/a	County:	Cleveland
Owner name:	Chastain-Holland c/o Professio	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	09/25/00
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D21 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00018191**

Well id:	54952		
Well name:	n/a	County:	Cleveland
Owner name:	Chastain-Holland c/o Professio	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	09/25/00
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D22 **East** **1/8 - 1/4 Mile** **Higher**	**OK WELLS**	**OK00018610**

Well id:	57175		
Well name:	n/a	County:	Cleveland
Owner name:	Ms. Jean Holland c/o Proffessi	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	01/09/01
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D23
East
1/8 - 1/4 Mile
Higher

OK WELLS **OK00018600**

Well id:	56331		
Well name:	n/a	County:	Cleveland
Owner name:	Chastain-Holland c/o Proff. En	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	10/27/00
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D24
East
1/8 - 1/4 Mile
Higher

OK WELLS **OK00019283**

Well id:	61409		
Well name:	n/a	County:	Cleveland
Owner name:	Ms. Jean Holland c/o Professio	Qtrs:	SESESE
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.460128	Date const:	01/09/01
Dpc no:	DPC-0269	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

D25
East
1/8 - 1/4 Mile
Higher

FED USGS **USGS2725843**

Agency cd:	USGS	Site no:	351216097273502
Site name:	09N-03W-36 DDD 2		
Latitude:	351216		
Longitude:	0972735	Dec lat:	35.20451139
Dec lon:	-97.4600333	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SESESES36 T09N R03W I
Location map:	NORMAN	Map scale:	24000

Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	57.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

D26
East
1/8 - 1/4 Mile
Higher

FED USGS **USGS2725842**

Agency cd:	USGS	Site no:	351216097273501
Site name:	09N-03W-36 DDD 1		
Latitude:	351216		
Longitude:	0972735	Dec lat:	35.20451139
Dec lon:	-97.4600333	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SESESES36 T09N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1150	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	260	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	464008200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
E27 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00019606**

Well id:	70253		
Well name:	n/a	County:	Cleveland
Owner name:	Texaco	Qtrs:	NENENE
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.460128	Date const:	03/20/02
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

E28 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018759**

Well id:	56487		
Well name:	n/a	County:	Cleveland
Owner name:	LINDSEY DX	Qtrs:	NENENE
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.460128	Date const:	01/26/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	25
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

E29 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018758**

Well id:	56486		
Well name:	n/a	County:	Cleveland
Owner name:	PHILLIPS 66 - WEST LINDSEY DX	Qtrs:	NENENE
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.460128	Date const:	03/28/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

E30 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018761**

Well id:	56489		
Well name:	n/a	County:	Cleveland
Owner name:	LINDSEY DX	Qtrs:	NENENE
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.460128	Date const:	09/03/92
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	25
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

31
West
1/4 - 1/2 Mile
Higher

OK WELLS **OK00018879**

Well id:	57399		
Well name:	n/a	County:	Cleveland
Owner name:	MC DONALDS CORP.	Qtrs:	SESESW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.468975	Date const:	07/24/99
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	10
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F32
ESE
1/4 - 1/2 Mile
Lower

OK WELLS **OK00018500**

Well id:	56241		
Well name:	n/a	County:	Cleveland
Owner name:	G & E ENGINEERING	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	07/19/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F33
ESE
1/4 - 1/2 Mile
Lower

OK WELLS **OK00018499**

Well id:	56240		
Well name:	n/a	County:	Cleveland
Owner name:	G & E ENGINERRING	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	07/18/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
F34 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018501**

Well id:	56242		
Well name:	n/a	County:	Cleveland
Owner name:	G & E ENGINEERING	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	07/22/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F35 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018503**

Well id:	56244		
Well name:	n/a	County:	Cleveland
Owner name:	MOBIL OIL CORP.	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	07/22/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F36 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018502**

Well id:	56243		
Well name:	n/a	County:	Cleveland
Owner name:	MOBIL OIL CORP.	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	07/22/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F37 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018495**

Well id:	56236		
Well name:	n/a	County:	Cleveland
Owner name:	CIRCLE K	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	03/07/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F38
ESE
1/4 - 1/2 Mile
Lower

OK WELLS **OK00018493**

Well id:	56234		
Well name:	n/a	County:	Cleveland
Owner name:	PHILLIP 66 SHORT STOP	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	06/10/93
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	15
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F39
ESE
1/4 - 1/2 Mile
Lower

OK WELLS **OK00018496**

Well id:	56237		
Well name:	n/a	County:	Cleveland
Owner name:	MOBIL OIL CORP.	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	07/18/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

F40
ESE
1/4 - 1/2 Mile
Lower

OK WELLS **OK00018498**

Well id:	56239		
Well name:	n/a	County:	Cleveland
Owner name:	KERR MCGEE	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	08/28/91
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	47
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
F41 **ESE** **1/4 - 1/2 Mile** **Lower**	**OK WELLS**	**OK00018497**

Well id:	56238		
Well name:	n/a	County:	Cleveland
Owner name:	MOBIL OIL CORP.	Qtrs:	NWNWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.457969	Date const:	07/19/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

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42 **SE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS2725986**

Agency cd:	USGS	Site no:	351201097273301
Site name:	08N-03W-01 AAD 1		
Latitude:	351201		
Longitude:	0972733	Dec lat:	35.2003447
Dec lon:	-97.4594778	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SENENES01 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1155	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	90.0	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:	1958-06-03
Water quality data end date:	1958-06-03	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

G43 **West** **1/4 - 1/2 Mile** **Higher**	**OK WELLS**	**OK00018098**

Well id:	49231		
Well name:	n/a	County:	Cleveland
Owner name:	Mr. Shortstop #1	Qtrs:	SWSESW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.471187	Date const:	11/09/99
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	n/a
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

G44
West
1/4 - 1/2 Mile
Higher

OK WELLS **OK00019428**

Well id:	64076		
Well name:	n/a	County:	Cleveland
Owner name:	Mr. Short Stop #1	Qtrs:	SWSESW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.471187	Date const:	06/06/01
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

45
ESE
1/4 - 1/2 Mile
Lower

OK WELLS **OK00018494**

Well id:	56235		
Well name:	n/a	County:	Cleveland
Owner name:	CIRCLE K	Qtrs:	NENWNW
Sec twp rge:	06-08N-02WI	Latitude:	35.202935
Longitude:	-97.455758	Date const:	03/07/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	30
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

H46
SSW
1/4 - 1/2 Mile
Higher

FED USGS **USGS2725976**

Agency cd:	USGS	Site no:	351154097280501
Site name:	08N-03W-01 BDA 1		
Latitude:	351154		
Longitude:	0972805	Dec lat:	35.19840028
Dec lon:	-97.4683669	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NESENWS01 T08N R03W I
Location map:	NORMAN	Map scale:	24000

Altitude:	1154	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
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:	96.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

47
ENE **OK WELLS** **OK00017934**
1/2 - 1 Mile
Higher

Well id:	45468		
Well name:	n/a	County:	Cleveland
Owner name:	Richerson Homes	Qtrs:	NESWSW
Sec twp rge:	31-09N-02WI	Latitude:	35.206617
Longitude:	-97.455632	Date const:	03/24/99
Dpc no:	DPC-0134	Usage:	Domestic
Well type:	Groundwater Well	Td:	170
Static wl:	n/a	Est yld:	45
Surf elev:	n/a		

I48
West **OK WELLS** **OK00018788**
1/2 - 1 Mile
Higher

Well id:	57314		
Well name:	n/a	County:	Cleveland
Owner name:	TEXACO	Qtrs:	SESWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.473399	Date const:	03/24/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	15
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

H49
SSW **FED USGS** **USGS2725969**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	351150097280502
Site name:	08N-03W-01 BDD 1		
Latitude:	351150		
Longitude:	0972805	Dec lat:	35.19728917
Dec lon:	-97.4683669	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SESENWS01 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1152	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	100	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:	1958-04-18	Ground water data end date:	1958-04-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-04-18	60	

50
NE
1/2 - 1 Mile
Higher

FED USGS **USGS2725865**

Agency cd:	USGS	Site no:	351235097272201
Site name:	09N-02W-31 CB 1		
Latitude:	351235		
Longitude:	0972722	Dec lat:	35.20978889
Dec lon:	-97.4564222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SWNW S31 T09N R02W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1150	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	10.5	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:	1943-06-11	Ground water data end date:	1943-06-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1943-06-11	4.80	

I51
West
1/2 - 1 Mile
Higher

FRDS PWS **OK2001432**

PWS ID:	OK2001432	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	BLUEJAY MHP 804 SOUTH CANADIAN PURCELL, OK 73080		

Addressee / Facility:	Operator DEMPSEY HALL JR.		
Facility Latitude:	35 12 20.0000	Facility Longitude:	97 28 26.0000
Facility Latitude:	35 12 20.0000	Facility Longitude:	97 28 32.0000
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	138

PWS currently has or had major violation(s) or enforcement: Yes

VIOLATIONS INFORMATION:

Violation ID:	9401440	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/94	Vio. end Date:	06/30/94	Vio. Period:	006 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Initial Tap Sampling for Pb and Cu				
Contaminant:	LEAD & COPPER RULE				
Vio. Awareness Date:	070194				

ENFORCEMENT INFORMATION:

System Name:	BLUEJAY MOBILE VILLAGE		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2005 0:00:00 - 9/30/2005 0:00:00	Analytical Value:	Not Reported
Violation ID:	221406	Enforcement ID:	Not Reported
Enforcement Date:	No Enf Action as of 3/21/2006 0:00:00	Enf. Action:	Not Reported

ENFORCEMENT INFORMATION:

System Name:	BLUEJAY MHP		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1994-01-01 - 1994-06-30	Analytical Value:	00000000.00
Violation ID:	9401440	Enforcement ID:	9790001
Enforcement Date:	1994-06-30	Enf. Action:	State Compliance Achieved

System Name:	BLUEJAY MHP		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1994-01-01 - 2015-12-31	Analytical Value:	0000000.000000000
Violation ID:	9401440	Enforcement ID:	9790001
Enforcement Date:	1994-06-30	Enf. Action:	State Compliance Achieved

System Name:	BLUEJAY MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-10-01 - 1995-10-31	Analytical Value:	00000000.00
Violation ID:	9600010	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

52
SSW
1/2 - 1 Mile
Higher

OK WELLS **OK00016161**

Well id:	8044		
Well name:	n/a	County:	Cleveland
Owner name:	Walt Guage	Qtrs:	NWNWSE
Sec twp rge:	01-08N-03WI	Latitude:	35.195672
Longitude:	-97.466762	Date const:	01/23/90
Dpc no:	n/a	Usage:	Irrigation
Well type:	Groundwater Well	Td:	85
Static wl:	n/a	Est yld:	70
Surf elev:	n/a		

J53
West
1/2 - 1 Mile
Higher

OK WELLS **OK00017966**

Well id:	47220		
Well name:	n/a	County:	Cleveland
Owner name:	Conoco	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	09/22/99
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	58
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J54
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018670**

Well id:	57233		
Well name:	n/a	County:	Cleveland
Owner name:	TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/08/93
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	45
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J55
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018671**

Well id:	57234		
Well name:	n/a	County:	Cleveland
Owner name:	TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/08/93
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	45
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J56
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018669**

Well id:	57232		
Well name:	n/a	County:	Cleveland
Owner name:	TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/08/93
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	45
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J57
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018664**

Well id:	57227		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/06/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
J58 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018665**

Well id:	57228		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/06/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J59 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018672**

Well id:	57235		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	02/01/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J60 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018676**

Well id:	57239		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	02/01/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J61 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018677**

Well id:	57240		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	02/01/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J62
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018675**

Well id:	57238		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	02/01/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J63
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018673**

Well id:	57236		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	02/01/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J64
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018674**

Well id:	57237		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	02/01/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
J65 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018663**

Well id:	57226		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/06/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J66 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018656**

Well id:	57219		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/05/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J67 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018655**

Well id:	57218		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/05/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J68 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018654**

Well id:	57217		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/05/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J69
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018657**

Well id:	57220		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/05/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J70
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018660**

Well id:	57223		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/04/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J71
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018659**

Well id:	57222		
Well name:	n/a	County:	Cleveland
Owner name:	YIRK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/04/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
J72 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018658**

Well id:	57221		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXAC0	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/05/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	35
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J73 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018662**

Well id:	57225		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/03/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J74 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018661**

Well id:	57224		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	10/03/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

J75 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018653**

Well id:	57216		
Well name:	n/a	County:	Cleveland
Owner name:	YORK TEXACO	Qtrs:	SWSWSW
Sec twp rge:	36-09N-03WI	Latitude:	35.204842
Longitude:	-97.47561	Date const:	03/10/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K76
West
1/2 - 1 Mile
Higher

OK WELLS **OK00019553**

Well id:	66619		
Well name:	n/a	County:	Cleveland
Owner name:	Conoco	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	10/08/01
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	55
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K77
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018763**

Well id:	56491		
Well name:	n/a	County:	Cleveland
Owner name:	CONOCO	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	09/05/97
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K78
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018764**

Well id:	56492		
Well name:	n/a	County:	Cleveland
Owner name:	CONOCO	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	09/18/98
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
K79 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018765**

Well id:	56493		
Well name:	n/a	County:	Cleveland
Owner name:	CONOCO	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	11/23/98
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K80 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018762**

Well id:	56490		
Well name:	n/a	County:	Cleveland
Owner name:	KERR MCGEE	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	08/24/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	44
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K81 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00017967**

Well id:	47221		
Well name:	n/a	County:	Cleveland
Owner name:	Conoco	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	09/22/99
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	55
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K82 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018757**

Well id:	56485		
Well name:	n/a	County:	Cleveland
Owner name:	KERR MCGEE	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	08/16/95
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	39
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K83
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018760**

Well id:	56488		
Well name:	n/a	County:	Cleveland
Owner name:	KERR MCGEE CORPATION	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	05/07/92
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

K84
West
1/2 - 1 Mile
Higher

OK WELLS **OK00019211**

Well id:	57629		
Well name:	n/a	County:	Cleveland
Owner name:	Conoco	Qtrs:	NWNWNW
Sec twp rge:	01-08N-03WI	Latitude:	35.202901
Longitude:	-97.475608	Date const:	12/22/00
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	50
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

L85
SE
1/2 - 1 Mile
Lower

FED USGS **USGS2725955**

Agency cd:	USGS	Site no:	351138097272501
Site name:	08N-02W-06 BCC 1		
Latitude:	351148		
Longitude:	0972725	Dec lat:	35.1967336
Dec lon:	-97.4572556	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SWSWNWS06 T08N R02W I
Location map:	NORMAN	Map scale:	24000

Altitude:	1134	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19580424
Date inventoried:	19580424	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	78	Hole depth:	78
Source of depth data:	reporting agency (generally USGS)	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1958-04-24	Ground water data end date:	1958-04-28
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1958-04-28	25		1958-04-24	25	

86
WSW
1/2 - 1 Mile
Higher

FED USGS USGS2725987

Agency cd:	USGS	Site no:	351201097282901
Site name:	08N-03W-01 BBC 1		
Latitude:	351201		
Longitude:	0972829	Dec lat:	35.20034444
Dec lon:	-97.4750336	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SWNWNWS01 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1157	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
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:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
L87 **SSE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2725962**

Agency cd:	USGS	Site no:	351145097272801
Site name:	08N-02W-06 CBB 2		
Latitude:	351145		
Longitude:	0972728	Dec lat:	35.19590028
Dec lon:	-97.4580889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NWNWSWS06 T08N R02W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1135.90	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	195107
Date inventoried:	19541223	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	78.0	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:	1954-12-23	Ground water data end date:	1954-12-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1954-12-23	25	

L88 **SSE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS2725963**

Agency cd:	USGS	Site no:	351145097272802
Site name:	08N-02W-06 CBB 1		
Latitude:	351145		
Longitude:	0972728	Dec lat:	35.19590028
Dec lon:	-97.4580889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NWNWSWS06 T08N R02W I
Location map:	NORMAN	Map scale:	24000

Altitude:	1135.90	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19580603	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	48.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	464008200
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:	1958-04-15	Ground water data end date:	1958-04-15
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-04-15	24.36	

K89
West
1/2 - 1 Mile
Higher

FED USGS **USGS2725828**

Agency cd:	USGS	Site no:	351213097283301
Site name:	08N-03W-01 BBB 1		
Latitude:	351213		
Longitude:	0972833	Dec lat:	35.20367778
Dec lon:	-97.476145	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NWNWNWS01 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1153	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1951
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	98.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	464008200
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:	1955-10-14	Ground water data end date:	1955-10-14
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955-10-14	43	

90
SSE
1/2 - 1 Mile
Lower

OK WELLS **OK00019628**

Well id:	71298		
Well name:	n/a	County:	Cleveland
Owner name:	John Adams	Qtrs:	NWNWSW
Sec twp rge:	06-08N-02WI	Latitude:	35.195706
Longitude:	-97.457969	Date const:	06/04/02
Dpc no:	DPC-0176	Usage:	Domestic
Well type:	Groundwater Well	Td:	80
Static wl:	n/a	Est yld:	5
Surf elev:	n/a		

M91
NW
1/2 - 1 Mile
Higher

FED USGS **USGS2725876**

Agency cd:	USGS	Site no:	351242097282101
Site name:	09N-03W-36 BCD 1		
Latitude:	351242		
Longitude:	0972821	Dec lat:	35.2117333
Dec lon:	-97.4728117	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SESWNWS36 T09N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1161	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	82.0	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:	1958-06-03	Ground water data end date:	1958-06-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-06-03	26	

92
ENE
1/2 - 1 Mile
Higher

OK WELLS **OK00018277**

Well id:	56835		
Well name:	n/a	County:	Cleveland
Owner name:	LINDYS BBQ	Qtrs:	NWNESW
Sec twp rge:	31-09N-02WI	Latitude:	35.210231
Longitude:	-97.45342	Date const:	08/25/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	20
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

M93
NW
1/2 - 1 Mile
Higher

FED USGS **USGS2725879**

Agency cd:	USGS	Site no:	351243097282201
Site name:	09N-03W-36 BCD 2		
Latitude:	351243		
Longitude:	0972822	Dec lat:	35.2120108
Dec lon:	-97.4730894	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SESWNWS36 T09N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1160	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	30.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
94 **NE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2725880**

Agency cd:	USGS	Site no:	351244097271801
Site name:	09N-02W-31 BCD 1		
Latitude:	351244		
Longitude:	0972718	Dec lat:	35.21228889
Dec lon:	-97.4553111	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SESWNWS31 T09N R02W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1150	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	12.1	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:	1943-06-11	Ground water data end date:	1943-06-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1943-06-11	3.66	

N95 **West** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2725824**

Agency cd:	USGS	Site no:	351212097283701
Site name:	08N-03W-02 AAA 1		
Latitude:	351212		
Longitude:	0972837	Dec lat:	35.2034
Dec lon:	-97.4772561	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NENENES02 T08N R03W I
Location map:	NORMAN	Map scale:	24000

Altitude:	1152	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	195410
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	92.0	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:	1954-10-18	Ground water data end date:	1954-10-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1954-10-18	43.51	

O96
WSW
1/2 - 1 Mile
Higher

FED USGS USGS2725994

Agency cd:	USGS	Site no:	351205097283701
Site name:	08N-03W-02 AAD 2		
Latitude:	351205		
Longitude:	0972837	Dec lat:	35.20145556
Dec lon:	-97.4772561	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SENENES02 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1151.30	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	195308
Date inventoried:	19550418	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	60.0	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:	1955-04-18	Ground water data end date:	1955-04-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955-04-18	16.5	

97
West
1/2 - 1 Mile
Lower

OK WELLS **OK00018618**

Well id:	57189		
Well name:	n/a	County:	Cleveland
Owner name:	DOYLE TODD-MIKE SINCLAIR	Qtrs:	SESESE
Sec twp rge:	35-09N-03WI	Latitude:	35.204846
Longitude:	-97.477861	Date const:	01/16/98
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	14
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

P98
NW
1/2 - 1 Mile
Higher

FED USGS **USGS2725872**

Agency cd:	USGS	Site no:	351240097283002
Site name:	09N-03W-36 BCC 1		
Latitude:	351240		
Longitude:	0972830	Dec lat:	35.2111775
Dec lon:	-97.4753117	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SWSWNWS36 T09N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1165	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	89.0	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:	1958-06-03	Ground water data end date:	1958-06-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-06-03	28	

P99
NW
1/2 - 1 Mile
Higher

FED USGS **USGS2725871**

Agency cd:	USGS	Site no:	351240097283001
Site name:	09N-03W-36 BCC 2		
Latitude:	351240		
Longitude:	0972830	Dec lat:	35.2111775
Dec lon:	-97.4753117	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SWSWNWS36 T09N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1165	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	90.0	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:	1958-06-03	Ground water data end date:	1958-06-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-06-03	30	

N100
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018768**

Well id:	56496		
Well name:	n/a	County:	Cleveland
Owner name:	CONOCO	Qtrs:	NENENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.47786	Date const:	09/24/97
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

N101
West
1/2 - 1 Mile
Higher

OK WELLS **OK00019569**

Well id:	69996		
Well name:	n/a	County:	Cleveland
Owner name:	Conoco	Qtrs:	NENENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.47786	Date const:	05/10/02
Dpc no:	DPC-0463	Usage:	Water Quality
Well type:	Monitoring Well	Td:	45
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

N102
West
1/2 - 1 Mile
Higher

OK WELLS **OK00018767**

Well id:	56495		
Well name:	n/a	County:	Cleveland
Owner name:	CONOCO	Qtrs:	NENENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.47786	Date const:	09/05/97
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

N103
West
1/2 - 1 Mile
Higher

OK WELLS **OK00019643**

Well id:	69724		
Well name:	n/a	County:	Cleveland
Owner name:	Conoco	Qtrs:	NENENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.47786	Date const:	04/19/02
Dpc no:	DPC-0463	Usage:	Water Quality
Well type:	Monitoring Well	Td:	48
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Map ID Direction Distance Elevation	Database	EDR ID Number
N104 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00019619**

Well id:	69560		
Well name:	n/a	County:	Cleveland
Owner name:	Conoco	Qtrs:	NENENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.47786	Date const:	04/16/02
Dpc no:	DPC-0463	Usage:	Water Quality
Well type:	Monitoring Well	Td:	45
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

N105 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018769**

Well id:	56497		
Well name:	n/a	County:	Cleveland
Owner name:	CONOCO	Qtrs:	NENENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.47786	Date const:	09/18/98
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

N106 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00016723**

Well id:	10066		
Well name:	n/a	County:	Cleveland
Owner name:	Johns Trucking	Qtrs:	NENENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.47786	Date const:	04/26/89
Dpc no:	n/a	Usage:	Domestic
Well type:	Groundwater Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

107 **West** **1/2 - 1 Mile** **Higher**	**OK WELLS**	**OK00018619**

Well id:	57190		
Well name:	n/a	County:	Cleveland
Owner name:	SINCLAIR	Qtrs:	NESESE
Sec twp rge:	35-09N-03WI	Latitude:	35.206653
Longitude:	-97.477861	Date const:	12/24/97
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	40
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

Q108
NE
1/2 - 1 Mile
Higher

OK WELLS **OK00018278**

Well id:	56836		
Well name:	n/a	County:	Cleveland
Owner name:	U-HAUL	Qtrs:	SWSENW
Sec twp rge:	31-09N-02WI	Latitude:	35.212038
Longitude:	-97.453421	Date const:	07/30/94
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	15
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

O109
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS2725989**

Agency cd:	USGS	Site no:	351203097283801
Site name:	08N-03W-02 AAD 1		
Latitude:	351203		
Longitude:	0972838	Dec lat:	35.2009
Dec lon:	-97.4775339	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SENENES02 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1160	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	98.0	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:	1952-04-01	Ground water data end date:	1952-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1952-04-01	48.63	

110
SSW
1/2 - 1 Mile
Higher

OK WELLS **OK00019547**

Well id:	65828		
Well name:	n/a	County:	Cleveland
Owner name:	Bob Embrey	Qtrs:	SWNESW
Sec twp rge:	01-08N-03WI	Latitude:	35.193865
Longitude:	-97.471185	Date const:	08/20/01
Dpc no:	DPC-0197	Usage:	Domestic
Well type:	Groundwater Well	Td:	107
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

111
WSW
1/2 - 1 Mile
Higher

OK WELLS **OK00020002**

Well id:	82860		
Well name:	n/a	County:	Cleveland
Owner name:	Ernest Shadid	Qtrs:	NESENE
Sec twp rge:	02-08N-03WI	Latitude:	35.199286
Longitude:	-97.47786	Date const:	08/11/03
Dpc no:	DPC-0547	Usage:	Irrigation
Well type:	Groundwater Well	Td:	100
Static wl:	60	Est yld:	40
Surf elev:	n/a		

Q112
NE
1/2 - 1 Mile
Higher

FED USGS **USGS2725882**

Agency cd:	USGS	Site no:	351246097270801
Site name:	09N-02W-31 BD 1		
Latitude:	351246		
Longitude:	0972708	Dec lat:	35.21284444
Dec lon:	-97.4525333	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SENW S31 T09N R02 I
Location map:	NORMAN	Map scale:	24000

Altitude:	1150	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	42.0	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:	1941-06-06	Ground water data end date:	1941-06-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1941-06-06	18	

113
SSE
1/2 - 1 Mile
Lower

FED USGS USGS2725945

Agency cd:	USGS	Site no:	351132097273001
Site name:	08N-02W-06 CCB 1		
Latitude:	351132		
Longitude:	0972730	Dec lat:	35.19228944
Dec lon:	-97.4586442	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NWSWSWS06 T08N R02W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1139.20	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19580424
Date inventoried:	19580424	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE,HIGH,DEPOSITS		
Well depth:	86.0	Hole depth:	86
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:	1958-04-24	Ground water data end date:	1958-04-24
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-04-24	36	

114
West
1/2 - 1 Mile
Lower

OK WELLS **OK00018766**

Well id:	56494		
Well name:	n/a	County:	Cleveland
Owner name:	J.BOTZ	Qtrs:	NWNENE
Sec twp rge:	02-08N-03WI	Latitude:	35.202901
Longitude:	-97.480072	Date const:	11/29/91
Dpc no:	n/a	Usage:	Site Assessment
Well type:	Monitoring Well	Td:	14
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

115
SW
1/2 - 1 Mile
Lower

FED USGS **USGS2725960**

Agency cd:	USGS	Site no:	351141097282901
Site name:	08N-03W-01 CBB 1		
Latitude:	351141		
Longitude:	0972829	Dec lat:	35.19478917
Dec lon:	-97.4750336	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	NWNWSWS01 T08N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	1140	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	87.0	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:	1958-04-16	Ground water data end date:	1958-04-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-04-16	28.25	

116
SE
1/2 - 1 Mile
Higher

OK WELLS **OK00019864**

Well id:	80031		
Well name:	n/a	County:	Cleveland
Owner name:	Weitzen Hoffer	Qtrs:	SWSWNE
Sec twp rge:	06-08N-02WI	Latitude:	35.19661
Longitude:	-97.450229	Date const:	08/06/03
Dpc no:	DPC-0197	Usage:	Domestic
Well type:	Groundwater Well	Td:	160
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

117
NNE
1/2 - 1 Mile
Higher

OK WELLS **OK00019427**

Well id:	64075		
Well name:	n/a	County:	Cleveland
Owner name:	Short Stop #2	Qtrs:	NWNWNW
Sec twp rge:	31-09N-02WI	Latitude:	35.21746
Longitude:	-97.457844	Date const:	06/06/01
Dpc no:	DPC-0197	Usage:	Water Quality
Well type:	Monitoring Well	Td:	20
Static wl:	n/a	Est yld:	n/a
Surf elev:	n/a		

118
North
1/2 - 1 Mile
Higher

FED USGS **USGS2725899**

Agency cd:	USGS	Site no:	351306097280001
Site name:	09N-03W-25 DCC 1		
Latitude:	351306		
Longitude:	0972800	Dec lat:	35.2183997
Dec lon:	-97.4669783	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	40
State:	40	County:	027
Country:	US	Land net:	SWSWSES25 T09N R03W I
Location map:	NORMAN	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Lower CanadianWalnut. Oklahoma. Area = 1800 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1938
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	GARBER SANDSTONE		
Well depth:	521	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

119
WSW
1/2 - 1 Mile
Lower

OK WELLS **OK00019345**

Well id:	60929		
Well name:	n/a	County:	Cleveland
Owner name:	Larry Shelberg	Qtrs:	NWSENE
Sec twp rge:	02-08N-03WI	Latitude:	35.199286
Longitude:	-97.480072	Date const:	04/04/01
Dpc no:	DPC-0192	Usage:	Domestic
Well type:	Groundwater Well	Td:	180
Static wl:	n/a	Est yld:	20
Surf elev:	n/a		

120
ESE
1/2 - 1 Mile
Higher

OK WELLS **OK00019246**

Well id:	59499		
Well name:	n/a	County:	Cleveland
Owner name:	Bob & BJ Dow	Qtrs:	SWSWNE
Sec twp rge:	06-08N-02WI	Latitude:	35.197513
Longitude:	-97.449124	Date const:	03/05/01
Dpc no:	DPC-0269	Usage:	Domestic
Well type:	Groundwater Well	Td:	n/a
Static wl:	40	Est yld:	10
Surf elev:	n/a		

121
South
1/2 - 1 Mile
Lower

OK WELLS **OK00017725**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	43002		
Well name:	n/a	County:	Cleveland
Owner name:	Bill Hammon Const.	Qtrs:	SESWSE
Sec twp rge:	01-08N-03WI	Latitude:	35.190251
Longitude:	-97.464551	Date const:	10/09/98
Dpc no:	DPC-0134	Usage:	Domestic
Well type:	Groundwater Well	Td:	160
Static wl:	n/a	Est yld:	12
Surf elev:	n/a		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: OK Radon

Radon Test Results

Zip	Total Sites	# Sites>4 pCi/L	Max pCi/L	Average pCi/L
73069	18	1	4.2	1.805

Federal EPA Radon Zone for CLEVELAND County: 3

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

Federal Area Radon Information for Zip Code: 73069

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

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

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 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW[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

Public Water Supply Well Data
Source: Oklahoma Water Resources Board
Telephone: 405-530-8800

OTHER STATE DATABASE INFORMATION

RADON

State Database: OK Radon
Source: Department of Environmental Quality
Telephone: 405-702-5100
Radon Information

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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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EDR® Environmental Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To:	Phil Hardy	**Order Date:**	7/17/2006	**Completion Date:**	7/17/2006
	ENSAFE	**Inquiry #:**	1716974.3		
	5724 Summer Trees Drive	**P.O. #:**	0888802978 0014 TS01		
	Memphis, TN 38134	**Site Name:**	Joe A. Smalley USARC		
		Address:	1507 W. Lindsey Street		
Customer Project:	EJV-ECP Proj	**City/State:**	Norman, OK 73069		
1013941ERN	850-457-1796	**Cross Streets:**			

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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The EDR-City Directory
Abstract

Joe A. Smalley USARC
1507 W. Lindsey Street
Norman, OK 73069

Inquiry Number: 1716974.6

Thursday, July 20, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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.

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

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1996 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 20, 2006

Target Property:
1507 W. Lindsey Street
Norman, OK 73069

Year	***Uses***	***Source***
1996	US Army Reserve	Polk's City Directory
1999	Address Not Listed in Research Source	Polk's City Directory
2006	US Army Reserve	Polk's City Directory
	US Attorney	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Norman, OK 73069

Year	***Uses***	***Source***
1996	****W LINDSEY ST****	Polk's City Directory
	Office/Retail Building (1430)	Polk's City Directory
	Whataburger Restaurant (1440)	Polk's City Directory
	Pizza Shuttle (1506)	Polk's City Directory
	Ole John's Liquor Store (1511)	Polk's City Directory
	Pizza Hut (1514)	Polk's City Directory
	Sonic Drive In (1515)	Polk's City Directory
	****WYLIE RD****	Polk's City Directory
	Apts (1111)	Polk's City Directory
	Apts (1220)	Polk's City Directory
1999	****W LINDSEY ST****	Polk's City Directory
	Office/Retail Building (1430)	Polk's City Directory

Year	***Uses***	***Source***
1999	Address not listed in research source (1440)	Polk's City Directory
	Address not listed in research source (1506)	Polk's City Directory
	Ole John's Liquor Store (1511)	Polk's City Directory
	Pizza Hut (1514)	Polk's City Directory
	Address not listed in research source (1515)	Polk's City Directory
	****WYLIE RD****	Polk's City Directory
	Apts (1111)	Polk's City Directory
	Apts (1220)	Polk's City Directory
2006	****W LINDSEY ST****	Polk's City Directory
	Office Building (1430)	Polk's City Directory
	McAllisters (1440)	Polk's City Directory
	Pizza Shuttle (1506)	Polk's City Directory
	Ole John's Liquor Store (1511)	Polk's City Directory
	Pizza Hut (1514)	Polk's City Directory
	Sonic Drive-In (1515)	Polk's City Directory
	****WYLIE RD****	Polk's City Directory
	Apts (1111)	Polk's City Directory
	Apts (1220)	Polk's City Directory

The EDR Aerial Photo Decade Package

Joe A. Smalley USARC
1507 W. Lindsey Street
Norman, OK 73069

Inquiry Number: 1716974.5

July 17, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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Fax: 1-800-231-6802
Internet: www.edrnet.com

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. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

This document reports that EDR searched its own collection or select outside repository collections of aerial photography, and based on client-supplied target property information, aerial photography, including the target property was not deemed reasonably ascertainable by Environmental Data Resources, Inc. (EDR). This no coverage determination reflects a search only of aerial photography repository collections that EDR accessed. It can not be concluded from this search that no coverage for the target property exists anywhere, in any collection.

NO COVERAGE

Thank you for your business.
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with any questions or comments.

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EDR Historical Topographic Map Report

Joe A. Smalley USARC
1507 W Lindsey Street
Norman, OK 73069

Inquiry Number: 1724317.3

July 27, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

ERN

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR Historical Topographic Map Report includes a search of available public and private color historical topographic map collections. For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topographic maps covering the United States.

References

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historcal sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints,and practically reviewable.*

EPA's Standards and Practices for All Appropriate Inquiries (AAI), Section § 312.24, identifies the historical sourcesof information necessary to achieve the objectives and performance factors of § 312.20. According to AAI,*"historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps,building department records, chain of title documents, and land use records."*

References

In order to address data gaps, additional sources of information may be consulted. According the AAI, Section § 312.20 (g), *"to the extent there are data gaps (as defined in § 312.10) in the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, "historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met....If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."

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