APPENDIX D – NNSA Phase 1 Environmental Site Assessment
(landowner/developer's ESAs included as attachments)

Phase I Environmental Site Assessment

KCNEXT - Botts Campus

14650 Colorado Avenue

Kansas City, Jackson County, MO

May 16, 2023 | Terracon Project No. 02237055

Prepared for:

Tierra Right of Way Services 7500 Jefferson St NE Ste 206 Albuquerque, NM



Prepared by:

Terracon Consultants, Inc. Lenexa, Kansas









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May 16, 2023

Tierra Right of Way Services 7500 Jefferson St NE Ste 206 Albuquerque, NM 87109

Attn: Ms. Monica Rodriquez, SR/WA

P: (505) 270-3488

E: mrodriquez@tierra-row.com

Re: Phase I Environmental Site Assessment

KCNEXT - Botts Campus 14650 Colorado Avenue

Kansas City, Jackson County, Missouri

Terracon Project No. 02237055

Dear Ms. Rodriguez:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced subject property (hereinafter known as the 'site'). This assessment was performed in accordance with Terracon Proposal No. P02237055 dated April 13, 2023, Revised. We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide other environmental, geotechnical, construction materials, and facilities services on a wide variety of projects locally, regionally, and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,

Terracon Consultants, Inc.

Melissa A. Dowling Site Investigation Group Manager Tracie A. Ragland Senior Scientist

Tracie Ragland

Attachments

Table of Contents

EXEC	JTIVE	SUMMARY	i
	Findi	ings and Opinions	i
	Sign	ificant Data Gaps	iii
	Cond	clusions	iii
	Reco	ommendations	iii
1.0	INTR	RODUCTION	1
	1.1	Site Description	1
	1.2	Scope of Services	1
	1.3	Standard of Care	2
	1.4	Additional Scope Limitations, ASTM Deviations, and Data Gaps	2
	1.5	Reliance	3
	1.6	Client Provided Information	3
2.0	PHYS	SICAL SETTING	4
3.0	HIST	FORICAL USE INFORMATION	7
	3.1	Historical Topographic Maps, Aerial Photographs, and Sanborn Maps	7
	3.2	Historical City Directories	9
	3.3	Site Ownership	11
	3.4	Title Search	11
	3.5	Environmental Liens and Activity and Use Limitations	12
	3.6	Interviews Regarding Current and Historical Site Uses	12
	3.7	Prior Report Review	14
4.0	REC	ORDS REVIEW	16
	4.1	Federal and State/Tribal Databases	16
	4.2	Local Agency Inquiries	19
5.0	SITE	RECONNAISSANCE	23
	5.1	General Site Information	23
	5.2	Overview of Current Site Occupants	24
	5.3	Overview of Current Site Operations	24
	5.4	Site Observations	24
6.0	ADJO	DINING PROPERTY RECONNAISSANCE	28
7.0	ADD	ITIONAL SERVICES	28
8.0	DEC	I ARATION	28

APPENDICES

APPENDIX A	Exhibit 1:	Topographic Map,	Exhibit 2:	Site Diagram

APPENDIX B Site Photographs

APPENDIX C Historical Documentation and User Questionnaire

APPENDIX D Environmental Database Information

APPENDIX E Credentials

APPENDIX F Description of Terms and Acronyms



EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. P02237055dated August 13, 2023 Revised and was conducted consistent with the procedures included in ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. The ESA was conducted under the supervision or responsible charge of Melissa A. Dowling, Environmental Professional. Melissa A. Dowling performed the site reconnaissance on April 13, 2023.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at 14650 Colorado Avenue in Kansas City, Jackson County, Missouri and is approximately 246 acres. The site is comprised of multiple parcels, one parcel was developed as an asphalt batch plant (now demolished), the remainder of the site was undeveloped land in varying states of clearing and grading and contained an intermittent stream, drainage ditches, and a wetland area on the northeast corner. Current site activities include tree and brush clearing and surface grading activities.

Historical Information

Based on a review of the historical information, the site has primarily consisted of vacant land and cropland with several ponds and intermittent streams across the site from the late 1800s to 1930s. A residential structure / farm structures were evident on site from the mid-1930s to early 1940s. By the late 1940s the residential / farm structures were no longer evident on site. From the 1970s to early 1980s the site appears similar with several unpaved access roads and grading on the northeast corner in 1970, likely related to east adjacent construction activities. A small structure was present on the southeast corner of the site from at least 1985 to 2010s. By at least 2012 a concrete batch plant was present on the west site boundary, likely related to the expansion of Botts Road and the intersection/overpass at Botts Road and 150 Highway. By 2016 to 2020, the site was grass and cropland with several ponds and several intermittent streams that flowed generally to the east, a small structure was present on the southeast corner, west of the access drive (Colorado Avenue), the Ideker asphalt plant was present on the south boundary at 150 Hwy, and several structures were present on the southeast corner of the site, northeast of Colorado Avenue.

Surrounding properties were vacant land/cropland from the late 1800s with a railroad track on the east boundary since at least the early 1930s followed by commercial developments over time, a road corresponding to 150 Highway on the south boundary since at least the early 1930s followed by commercial development over time, a road corresponding to Botts Road on the west boundary



since at least the early 1930s followed by commercial development over time, and residential structures north of the site from at least 1940, commercial structures northwest and north of the site by 2006 and a developing residential neighborhood to the northeast. Recognized Environmental Conditions (RECs) were not identified upon review of the historical information.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site is not listed in the regulatory database report. The facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site. Responses from the local agencies that have responded by the issuance of this report did not reveal RECs to the site.

The Missouri Department of Natural Resources (MDNR) Well Information Management System (WIMS) database was reviewed on April 11, 2023. Two wells were documented on the east side of the site as oil wells (095-21461 and 095-21488) and are listed as drilled in 2013 and the wells were plugged in 2021. Mr. Breslin, owner representative, was interviewed during the site reconnaissance. Mr. Breslin stated the wells were located on the southeast corner of the site and provided the drilling and plugging records for these wells. The records are attached in Appendix C. Based on the plugging status and the relatively short time of operation of the wells, these oil wells do not represent a REC to the site.

Site Reconnaissance

The following items were observed at the site during the site reconnaissance: petroleum pipeline markers for a pipeline which is currently inactive; natural gas pipeline markers; one pole-mounted transformer; one pad-mounted transformer; one, empty municipal waste dumpster; a dumping area on the south boundary; several drainage ditches; one intermittent stream; and two stormwater detention basins. RECs were not observed at the site during the site reconnaissance.

Adjoining Properties

The current day adjoining properties were observed to be the following:

- To the north: SIKA Corporation (NW), vacant lot (N), PODS Moving (N), commercial building under construction (NNE), residential neighborhood (NE)
- To the east: Railroad tracks followed by: Extra Space Storage (NE), Factory Outlet (NE), Cloverleaf Apartments (E), Frontier Bag (SE), Stonehenge Outdoor (SE)
- To the south: 150 Highway followed by: Honeywell (SE), Kinder Morgan pipeline station (SE), Walmart Distribution Center (S), commercial warehouse under construction (S), intersection/overpass of Botts Road and 150 Highway (SW), Centerpoint warehouse (SW)
- To the west: Botts Road followed by: National Nuclear Security Association campus (W), Kelly Construction (NW)

RECs were not observed with the current day adjoining properties.

Phase I Environmental Site Assessment KCNEXT - Botts Campus | Kansas City, MO May 16, 2023 | Terracon Project No. 02237055



Significant Data Gaps

No Significant Data Gaps were identified.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E1527-21 at 14650 Colorado Avenue, Kansas City, Jackson County, Missouri, the site. Recognized Environmental Conditions (RECs), Controlled RECs (CRECs), and/or Significant Data Gaps (SDGs) were not identified in connection with the site.

Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs, CRECs, or SDGs in connection with the site. As such, no additional investigation is warranted at this time. However, Terracon recommends the following:

- During future grading of the site, if the petroleum pipeline is exposed and relocated and petroleum impacts are identified, these should be addressed according to applicable state and local regulations during construction management. Terracon and the Missouri Department of Natural Resources (MDNR) should be contacted if any associated impacts are noted.
- If apparent remnants of oil exploration equipment (such as piping, damaged plugs, etc.) or associated features (such as buried pits) or petroleum impacts are identified during future development/excavation activities at the site, such equipment, features, and/or associated impacts should be properly removed and/or addressed according to applicable state and local regulations during construction management. Terracon and the MDNR should be contacted if any equipment, features, and/or associated impacts are noted.



1.0 INTRODUCTION

1.1 Site Description

Site Name	KCNEXT - Botts Campus
Site Location/Address	14650 Colorado Avenue, Kansas City, Jackson County, Missouri (3 parcels: 67-500-03-41-00-0-000, 67-500-03-40-00-00- 000, 67-500-04-35-00-0-000)
Land Area	Approximately 246 acres
Site Improvements	The site is comprised of multiple parcels, one parcel was developed as an asphalt batch plant (now demolished), the remainder of the site was undeveloped land in varying states of clearing and grading and contained an intermittent stream, drainage ditches, and a wetland area on the northeast corner.
Anticipated Future Site Use	Commercial development (Office buildings, parking)
Reason for the ESA	Acquisition

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. P02237055 dated August 13, 2023 Revised and was conducted consistent with the procedures included in ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. Recognized environmental conditions are defined by ASTM E1527-21 as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment." A de minimis condition is not a recognized environmental condition.

This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews (including local government inquiries, as applicable), and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.



1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations, and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e., evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

■ Due to dense vegetation and steep gradient, the far northeast corner of the site (wetland designated area) could not be accessed and the intermittent stream and stream banks could not be accessed, and surface conditions could not be observed. Additionally, other areas of the site were inaccessible due to dense vegetation and wet, muddy conditions. However, based on review of historical maps in Section 3.1 of this report, and observations of the remaining areas of the site, this limitation is not anticipated to alter the conclusions of this report, or prevent the Environmental Professional's (EP's) ability to identify RECs, and is therefore not significant.



An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances, petroleum products or PFAS compounds may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Tierra Right of Way Services. Use or reliance by any other party is prohibited without the written authorization of Tierra Right of Way Services and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and the Land Services Subcontract between Tierra Right of Way Services and Terracon. The limitation of liability defined in the Land Services Subcontract is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-21 Section 4.6. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-21.

1.6 Client Provided Information

Prior to the site visit, Ms. Monica Rodriguez, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-21 Section 6. Ms. Stephanie Loyd with the National Nuclear Security Administration completed the user questionnaire with the information below.



Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
	Respond	Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			Χ
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.		Х*	
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			X**
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			Х
Obvious Indicators of Releases at the site.			Χ

^{*}Client provided Title Search documents, discussed in Section 3.4 and attached in Appendix C.

Terracon's consideration of the client provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical :	Source		
	Topography		
Site Elevation	Approximately 1040 - 950 feet above sea level		
Topographic Gradient	Sloping to the north - northeast USGS Topographic Map, St of Missouri, Grandview		
Closest Surface Water	An intermittent stream flows across the center of the site from W/SW to N/NE	Quadrangle, 1996 (Appendix A)	
	Soil Characteristics		
Soil Type	Greenton silty clay loam, 5% to 9% slopes Sampsel silty clay loam, 5% to 9% slopes Kennebec silt loam, 1% to 4% slopes, occasionally flooded	Jackson County, MO USDA- NRCS Web Soil Survey viewed April 10, 2023	

^{**}Ms. Loyd also stated, "NNSA will negotiate a reasonable purchase price based off FMV as determined by an appraisal."



Physical S	Setting Information	Source
Description	The Greenton silty clay loam is found on 5% to 9% slopes. In a typical profile the surface layer is very dark brown, friable silty clay loam. The subsoil is grayish-brown firm silty clay loam and firm silty clay. These soils generally have slow permeability. Surface runoff is generally medium and available water capacity is high. The shrink-swell potential is generally high in the subsoil. The Sampsel silty clay loam is found on 5% to 9% slopes. In a typical profile the surface layer is very dark gray, friable silty clay loam. The subsoil is very dark gray, firm silty clay loam to grayish-brown, firm silty clay. These soils generally have slow permeability. Surface runoff is generally medium and available water capacity is moderate. The shrink-swell potential is generally moderate in the subsoil. Kennebec silt loam is generally found on bottom lands along smaller streams on 1% to 4% slopes. Typically, the surface layer is very dark grayish-brown, friable silt loam. The subsurface layer is very dark gray and black, friable silt loam. Generally, permeability is moderate. Surface runoff is slow and available water capacity is very high. The shrink-swell potential is moderate.	



Physical S	Setting Information	Source
	Geology/Hydrogeology	
Formation	Kansas City Group and Pleasanton Group	
Description	Jackson County is located near the middle of an approximate 150-mile wide, north-south trending band of Pennsylvanian Age rocks that is located in western Missouri and eastern Kansas. Generally, the rock beds exhibit a subtle prevailing dip to the west-northwest. A prominent section of Pennsylvanian rock strata is well-exposed in Kansas City, Missouri, in the bluffs along the Missouri River. According to The Stratigraphic Succession in Missouri, Missouri Department of Natural Resources (revised in 1995), the region is underlain by rock units of the Pennsylvanian System and the Missourian Series (Kansas City Group and Pleasanton Group) in the Time Stratigraphic Unit age classification. Alternating layers of shales and limestone, with an occasional sandstone layer, are common in the Kansas City Group. Alternating layers of shale and sandstone, with an occasional coal seam and limestone layer, are present in the Pleasanton Group.	State of Missouri, Division of Geological Survey and Water Resources, Guidebook Field Trip Geology of the Kansas City Group at Kansas City, RI 31, November 1965 Geological Map of Missouri, Missouri Geological Survey (MGS), Missouri Department of Natural Resources (MDNR), 1979
Estimated Depth to First Occurrence of Groundwater	Approximately 5 to 14 feet below ground surface.	MDNR MGS Geosciences Technical Resource Assessment Tool (GeoSTRAT) website
*Hydrogeologic Gradient	Not known - may be inferred to be p (primarily to east - northeast).	arallel to topographic gradient

^{*}The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.



3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, and Sanborn Maps

Readily available historical USGS topographic maps and selected historical aerial photographs (at approximately 10-to-15-year intervals) were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps and aerial photographs are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site. A copy of the "No Coverage" letter is attached in Appendix C.

- Topographic maps: EDR, Belton, 2017, 2015, 1995, 1980, 1975, 1970, 1953, and 1934 (1:24,000); Olathe, 1893 and 1887 (1:125,000)
- <u>Aerial photographs</u>: EDR, USDA/NAIP, 2020, 2016, 2012, 2009, and 2006 (1"=625'); USGS/DOQQ, 1997 and 1990 (1"=625'); NHAP, 1985 and 1981 (1"=625'); USGS, 1970 and 1948 (1"=625'); USDA, 1979, 1969, 1957, 1952, 1940, and 1936 (1"=625'); Google Earth, 2010 2012 (variable scale, not included in Appendix C)

Historical Maps and Aerial Photographs

Direction	Description
	1887 - 1893: Vacant or cropland
	1934: Vacant or cropland with several ponds and several intermittent streams that flowed generally to the east
	1936 – 1940: Grass or cropland, several residential or farm structures were
	present on the west and north sides of the site, several ponds and several
	intermittent streams which flowed generally to the east
Site	1948 – 1969: Grass or cropland, residential or farm structures no longer
Site	evident, several ponds and several intermittent streams which flowed generally to
	the east
	1970: Appeared similar with grading/unpaved access roads on the northeast
	corner likely associated with the construction activities to the east
	1979 – 1981: Appeared similar with an unpaved access road on the southeast
	corner from 150 Hwy into the site, grading on the northeast corner was no longer
	evident



Direction	Description
	1985 – 2009: Grass or cropland with several ponds and several intermittent streams which flowed generally to the east, a small structure was present on the southeast corner, west of the access drive 2012: Appeared similar with the addition of an apparent concrete batch plant on the west site boundary, likely related to the expansion of Botts Road and the intersection of Botts Road and 150 Hwy to the southwest 2016 – 2020: Grass or cropland with several ponds and several intermittent streams that flowed generally to the east, a small structure was present on the southeast corner, west of the access drive (Colorado Avenue), an apparent asphalt plant was present on the south boundary at 150 Hwy, and several structures were present on the southeast corner of the site, northeast of Colorado Avenue
North	1887 – 1893: Vacant or cropland 1934 – 1936: Vacant or cropland with several intermittent streams flowing generally to the southeast 1940 – 1997: Vacant or cropland and several intermittent streams which flowed generally to the southeast, residential structures to the northeast and northwest, with the residential neighborhood to the northeast becoming more developed over time 2006 – 2020: Grass and treed land north, center with the residential neighborhood to the northeast and commercial structures developed over time to the northwest and north, center
East	1887 – 1893: Vacant or cropland 1934 – 2020: Railroad (RR) tracks 1934 – 1957: RR tracks followed by grass or cropland with residential and farm structures, and an intermittent stream which flowed from NW to SE 1969 – 2020: RR tracks followed by developed commercial/industrial properties over time
South	1887 – 1893: Vacant or cropland 1934 – 1980: A road corresponding to 150 Hwy 1981 – 1997: 150 Hwy 2006 – 2009: 150 Hwy expanded to 4 lanes 2012 – 2020: 150 Hwy, 4 lanes, the intersection of 150 Hwy and Botts Road expanded with cloverleafs and exit ramps 1887 – 1936: Road followed by vacant or cropland 1940: Road followed by grass land, an apparent concrete pad, and multiple unpaved access roads 1948 – 1952: Road followed by grass or crop land and an airport runway to the southwest (Part of Richard's Gebaur Air Force Base) 1957 – 2006: Road followed by Richard's Gebaur Air Force Base developed over time



Direction	Description
	2009: Road followed by grass land and access roads, the airport features and
	structures are no longer evident, a paved road was present from 150 Hwy to the south (Andrews Road)
	2012 : Appeared similar with the expansion of the intersection of 150 Hwy and Botts Road to the NW
	2016 - 2020: Appeared similar with commercial/industrial structures present on the east and center of the property and grass covered land west of the structures
	1887 - 1893: Vacant or cropland
	1934 - 2009: A 2-lane, paved road corresponding to Botts Road
	2012 - 2020: Botts Road, a 4-lane, paved road
	1934 - 1936 : The road followed by vacant or cropland with several intermittent streams flowing to the east
West	1940 – 2009: Appeared similar with residential / farm structures periodically
	present and farm access roads
	2011: The road followed by construction of several commercial/industrial warehouses, site grading, and access roads
	2012 – 2020: The road followed by commercial/industrial structures, paved parking and access roads, and a detention pond.
	parking and access roads, and a decention point.

3.2 Historical City Directories

The EDR Digital Archive, Cole Information and Polk's city directories used in this study were made available through EDR (selected years reviewed: 1974 – 2020) and were reviewed at approximate five-year intervals, if readily available. The current street addresses for the site were identified as 14664 Colorado Avenue, 14650 Colorado Avenue, 14499 Colorado Avenue, 14690 Colorado Avenue, 14660 Colorado Avenue, 4450 E M 150 Hwy, and 14401 Botts Road.

Historical City Directories

Direction	Description
	14664 Colorado Avenue: United Mo Bk Hickman (1992); United Missouri Bank (1995); UMB Bank Banking Centers (2000)
Site	14650 Colorado Avenue: Ideker Inc. (2014 – 2020)
	14499 Colorado Avenue, 4450 E M 150 Hwy, 14660 Colorado Avenue, 14665 Colorado Avenue, 14401 Botts Road: No listings



Direction	Description
	5604 – 5612 E 143 rd Street (NE): Residential (1992 – 2017)
	14101 – 14219 Denver Road: Residential (1974 – 1976, 1992 – 2020)
	14201 Botts Road: Sika Corp (2000 – 2020)
North	14101 Norby Road: Pods/River City Portable Moving-STG (2010 - 2020)
	14209 Norby Road: Commercial businesses (2010 – 2020)
	14219 Norby Road and 14420 Norby Road: No Listings
	6011 E State Route 150: 7-11 Food Stores (1995)
	6100 E State Route 150: Commercial businesses (2010 – 2020)
	6200 E State Route 150: Sonic Drive-In (2010 – 2020)
	6250 E State Route 150: Subway (2014 - 2020)
	14214 S US Highway 71: Residential/Commercial (1992 – 2020)
East	14217 S US Highway 71: Residential (2000 – 2020)
	14300 S US Highway 71: Residential (1992)
	14301 S US Highway 71: Residential (1992 – 2020)
	14815 S US Highway 71: Kansas City Diesel Drivers Sch Inc/Real Estate/Sears termite & Pest (1976); Commercial businesses (1992 – 2000)
	5620 E 147th Street, 14650 US 71 Hwy, 14500 US 71 Hwy, and 14330 US 71 Hwy: No Listings
	14900 Andrews Road: Noevia Logistics (2017)
	58201 E 149 th Street: Residential (1992)
South	14709 S US Highway 71: Weber Flooring Joes Carpet (2017); Residential (2020)
	4000 E 149 th Street, 4901 Botts Road, 14901 Andrews Road, 14900 US 71 Hwy: No Listings
	4015 E 143 rd Street (NW): PM Contracting Inc (2020)
	4019 E 143 rd Street (NW): Selective Construction SVC LLC (2020)
West	4021 E 143 rd Street (NW): Kelly Construction Group (2020)
	14520 Botts Road: No Listings



Ideker, Inc.: The Ideker asphalt plant was located on a site parcel addressed as 14650 Colorado Avenue, on the south side of the site, east end. The Ideker facility is further discussed in Sections 3.6, 3.7, and 4.2, below.

3.3 Site Ownership

Based on a review of information obtained from the Kansas City, Missouri Parcel Viewer GIS website, the current site owner is Promontory 150 LLC c/o Platform Ventures LLC.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. However, the client provided the following title search documents to Terracon for review:

- Second Deed of Trust dated December 10, 1976, from Mr. and Mrs. Extell to a second party (copy was unreadable).
- Corporation Quit Claim Deed dated April 16, 1982, releasing the lien from the Deed of Trust dated December 10, 1976.
- Warranty Deeds dated June 30, 2005 from the trust of Enow A. Axtell to the Axtell Family Limited Partnership, transferring ownership to the partnership, and from the trust of Sophronia M. Axtell to the Axtell Family Limited Partnership, transferring ownership to the partnership.
- Affidavit of Scrivener's Error dated January 6, 2011 correcting the legal descriptions from the "within the widths" format to "metes and bounds" format for a utility easement recorded in December 1999. The type of utility was not mentioned in the document, but did state the "easement or license is hereby granted to the Missouri Highways and Transportation Commission, its successors or assigns to locate, construct, and maintain, or to authorize the location, construction, and maintenance of a utility line over, under and across all that part of grantor's land..."
- Quit Claim Deed dated November 26, 2013, from the City of Kansas City, Missouri to the Missouri Highways and Transportation Commission, multiple tracts of lands for the purpose of the operation of the City of Kansas City's water main.
- Release of Deed of Trust dated March 6, 2023 from Solutions North Bank F/K/A The Stockton National Bank F/K/A First Security Bank and Trust Company releasing the Deed of Trust recorded on April 5, 2007.
- Title Insurance document dated March 7, 2023 stating Title is committed/vested in Promontory 150 LLC and proposed insured is United States of America, acting by and through the Department of Energy. The document included a link to: "Easement for Water Main and Appurtenances" dated 1971, stating a twenty foot tract of land through part of the South One-half of legally described property; a link to "Special Warranty Deed" dated March 1, 2023 from Manrick, LLC to Promontory 150 LLC c/o Platform Ventures, LLC for legally described property; a link to "Electric Line Easement Conveyance" dated July 6, 1978, from Mr. and Mrs. Axtell, for the western most 10 feet of legally described property; a Circuit Court of Jackson County,



Missouri at Kansas City document stating a Condemnation Petition was approved to expand 150 Highway and for a utility easement next to the expanded highway, per the legal description of the properties.

■ Title Insurance document dated March 7, 2023 stating Title is committed/vested in Promontory 150 LLC and proposed insured is United States of America, acting by and through the Department of Energy. The document included a link to: "Special Warranty Deed" dated November 30, 2021 from Ideker, Inc. to Promontory 150 LLC, per the legal description of the properties; "Special Warranty Deed" dated March 1, 2021 from the Barbara A. Giblin Revocable Trust to Promontory 150 LLC, per the legal description of the properties; "Special Warranty Deed" dated May 13, 2021 from UMB Bank BA to Promontory 150 LLC, per the legal description of the properties; "Special Warranty Deed" dated March 31, 2021 from the Axtell Family Limited Partnership to Promontory 150 LLC, per the legal description of the properties; "Trustees Deed" dated March 3, 2020 from John W. Rollins, Jr. and Anne W. Rollins Charitable Remainder Trust and Trust for the Krupa Family to Promontory 150 LLC, per the legal description of the properties; and "Special Warranty Deed" dated March 5, 2020 from the Estate of Harold David Hedges and families to Promontory 150 LLC, per the legal description of the properties.

3.5 Environmental Liens and Activity and Use Limitations

The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report. Environmental liens or AULs were not identified from review of the title documents provided by the client which are reviewed in Section 3.4.

3.6 Interviews Regarding Current and Historical Site Uses

The following individuals were interviewed regarding the current and historical use of the site.

Interviews

Interviewer	Name	Title	Date/Time
Melissa Dowling	Kevin Breslin	Site owner representative	4/13/23 / 10:00 am

Terracon interviewed Mr. Kevin Breslin, site owner representative, during the site reconnaissance. Mr. Breslin indicated that he has been familiar with the site and area for approximately 20 years. Mr. Breslin noted the following:

May 16, 2023 | Terracon Project No. 02237055



- The current owner of the site is Promontory 150 LLC;
- Promontory 150 LLC purchased the west end of the site from the Rawlins family and the east end of the site from the Giblin family. Promontory combined the parcels in 2021;
- The property was historically used as agricultural land, with a farmstead on the southeast corner of the site;
- The Giblin family installed two oil wells on the east side of the site, southeast corner in 2013 and the wells were plugged in 2021 (See Appendix C for well installation and plugging forms);
- The oil wells were connected to two aboveground storage tanks (ASTs) that were located SE of the wells, off the NE corner of the access drive which was named Colorado Avenue;
- Ideker asphalt plant was present on the south end of the site, east side. The plant was a hot mix plant with two silos, two truck scales, and a fuel AST. The Ideker plant closed this facility and demolished and removed all production equipment by December 2022;
- Promontory 150 LLC had a Phase I Environmental Site Assessment completed for the entire site and Phase II Investigation completed at the former Ideker facility. Mr. Breslin stated the Ideker silos and secondary containment were in good condition when demolished and no visual evidence of releases were evident around or beneath the secondary containment (See Section 3.7 for review of these reports);
- A petroleum pipeline is present across the site at the intermittent stream. The pipeline is an 8 inch pipe and is dry;
- The north end of the site, north of the intermittent stream has been extensively graded in preparation for sale and commercial construction. Soil and rock used for the grading was primarily from the site and a lesser amount from the undeveloped north adjacent property at the boundary between the site and vacant lot;
- Two stormwater detention basins were installed on the north end of the site during grading activities;
- The drainage ditch that flows from the SW corner of the site to the NE will be graded with installation of a concrete box culvert and covered to grade with materials excavated from the SE corner of the site;
- The NE corner of the site is a designated wetland of approximately 25-acres;
- A city sewer line is present across the center of the site from west to east;
- Mr. Breslin was not aware of septic systems; water wells; landfills; spills or releases of hazardous substances or petroleum products; 55-gallon drums; underground storage tanks; pending, threatened or past environmental litigation; proceedings or notices of possible violations of environmental laws; or potential environmental concerns in connection with the site.

Interviewer	Name	Title	Date/Time
Melissa Dowling	Scott Cargill	Representative with C&G Consulting, LLC	4/21/23 / 11:00 am

Terracon interviewed Mr. Scott Cargill, owner representative concerning the onsite petroleum pipeline, by email. Mr. Cargill indicated he has been familiar with the site and area for approximately 13 years. Mr. Cargill noted the following regarding the Magellan petroleum pipeline across the site:





- The original easement for the pipeline was to the Williams Brothers Pipeline company in 1966;
- The pipeline is currently owned by Magellan Midstream Partners, LP out of Tulsa, Oklahoma;
- The pipeline is an 8 inch line, currently inactive, but not abandoned;
- Tonya Cape of Magellan Midstream Partners, LP is his point of contact. An interview with Ms. Cape is discussed below.

Interviewer	Name / Phone #	Title	Date/Time
Melissa Dowling	Tonya Cape / (913) 310- 7740	Representative with Magellan Midstream Partners, LP	4/21/23 / 11:15 am

Terracon interviewed Ms. Tonya Cape, Magellan Midstream Partners, LP representative, by telephone. Ms. Cape noted the following regarding the Magellan petroleum pipeline across the site:

- The pipeline was likely installed around the time of the original easement in the mid-1960s, but she did not have the exact date;
- The pipeline did carry refined petroleum (gasoline or diesel), but she did not know for how long or when the pipeline was last used. However, she has been with Magellan for approximately 30 years and does not believe it has been active during this time;
- The pipeline was relocated to the north, beginning on the east side of Botts Road to the west side of the NNSA Campus, during construction of the NNSA Campus and there were no reports of apparent leaks near that section of pipeline;
- She was not aware of leaks or spills from the pipeline on site.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. The following reports were provided and reviewed:

■ Phase I Environmental Site Assessment (Botts Road Giblin Site) completed for Platform Ventures by Olsson, Inc. dated March 2020:

The site was approximately 151 acres of agricultural land and forested areas (the east half of the current site). Two oil wells were present on site. No details were noted in the report for these wells. Four ASTs were present on the site during the site reconnaissance associated with the onsite oil wells. Visual evidence of leaks or staining on or below the ASTs were not noted and the ASTs appeared to be "newly installed." A dumping area was noted on the southeastern quadrant of the site that included a microwave, aluminum cans, empty kerosene can, and empty metal container. No odors or staining were noted near the debris. Pipeline markers were noted near the center of the property during the site reconnaissance. The Phase I concluded no RECs were found onsite or offsite at adjacent properties.



■ Phase I Environmental Site Assessment (Botts Road and M-150 Hwy) completed for Platform Ventures by Olsson, Inc. dated February 2020:

The site was approximately 77.6 acres of agricultural and undeveloped land (the west half of the current site). Natural gas pipeline makers were present on the west boundary of the site, owned by Spire. The Phase I concluded no RECs were found onsite or offsite at adjacent properties.

■ Phase II Investigation, Former Ideker Site, Botts Road, completed for Richmond Breslin LLC by SS Papadopulus and Associates, Inc. (SSP&A) dated January 31, 2023:

SSP&A completed soil sampling activities on January 18, 2023, at the former Ideker asphalt plant (14650 Colorado Avenue). A hydraulic geoprobe was used to complete seven soil borings and collected seven soil samples: three soil borings in the former diesel fueling AST area (1A, 2A, and 2B) and four borings in the former asphalt mixing area (3A, 4, 5, and 6). Field screening was completed with a photoionization detector (PID). As no indications of volatile organic compounds were detected by PID, SSP&A did not request analysis for volatile organic compounds (VOCs). The seven soil samples were analyzed for total petroleum hydrocarbons (TPH) by Pace Analytical in Lenexa, Kansas. The soil samples were analyzed for TPHs by ASTM method OA2.

The Missouri Department of Natural Resources (MDNR) does not recommend this analytical method in the current Risk Based Corrective Action (RBCA) guidance. For comparison, OA2 analysis included diesel fuel, fuel oil, jet fuel, kerosene, mineral spirits, motor oil, and TPH (gasoline, diesel, and oil). The current method recommended by MDNR is EPA method 8270, which analyzes for diesel range organics (DRO) and oil range organics (ORO). The highest analytical result from the Phase II report was 4,330 milligrams per kilogram (mg/kg) of TPH at boring 3 (sample ID IDEK01182023-03, 5 feet below ground surface). The Phase II report stated the analytical results were compared to the MDNR Default Target Levels (DTL), which they were not; the analytical results were compared to MDNR RBCA Tier 1 Table B-7, non-residential land use for soil type 3 (clayey soil) concentrations. These concentrations are the most lenient concentrations in the MDNR RBCA Tier 1 tables used for comparison. MDNR DTL concentrations (Table B-1) are the most stringent concentrations in the MDNR RBCA risk assessment process.

For reference in this Phase I report, Terracon compared the SSP&A analytical results to the MDNR RBCA guidance DTLs for TPH DRO and TPH ORO. The DTL for TPH DRO is 4,150 mg/kg and the DTL for TPH ORO is 124,000 mg/kg. The highest concentration reported during the Phase II was 4,330 mg/kg TPH (gasoline, diesel, oil), which is higher than the TPH DRO DTL but less than the TPH ORO DTL. The Tier 1 RBCA concentration, residential land use scenario for subsurface soil, silty soil (Table B-3), for TPH DRO is 7,190 mg/kg. There is not a Tier 1 residential land use scenario concentration for subsurface soil, silty soil for TPH ORO.

Therefore, the reported concentration of 4,330 mg/kg of TPH was above the MDNR DTL for TPH DRO but is below the Tier 1 RBCA concentration for TPH DRO, residential land use.

Based on this comparison, the former Ideker facility does not represent a REC to the site.



4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company in a report dated April 10, 2023. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient, and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Distance (miles)	Listings
CERCLIS (SEMS)	Comprehensive Environmental Response, Compensation, & Liability Information System	0.5	1
CERCLIS / NFRAP (SEMS- ARCHIVE)	Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned	0.5	0
ERNS	Emergency Response Notification System	Site	0
IC / EC	Institutional Control/Engineering Control	Site	0
NPL	National Priorities List	1	0
NPL (Delisted)	National Priorities Delisted List	0.5	0
RCRA CORRACTS/ TSD	RCRA Corrective Action Activity	1	0
RCRA Generators	Resource Conservation and Recovery Act	Site and adjoining properties	4



Database	Description	Distance (miles)	Listings
RCRA Non- CORRACTS/ TSD	RCRA Non-Corrective Action Activity	0.5	0

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AUL	Activity and Use Limitations	Site	0
Brownfields	Listing of Brownfields Sites	0.5	0
LUST	Leaking Underground Storage Tanks	0.5	1
SHWS	State Hazardous Waste Site	0.5	0
SWF/LF	Solid Waste Facilities/Landfills	0.5	0
UST	Underground Storage Tanks	Site and adjoining properties	0
VCP	Voluntary Cleanup Program Sites	0.5	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report in Appendix D.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name and	Estimated Distance /	Database	Findings
Location	Direction/Gradient	Listings	Summary
Frontier Bag, Inc.	SE adjacent / downgradient	RCRA-SQG, US	Not a REC due
5720 E. Hwy 150		AIRS, PFAS, ECHO	to gradient
Holistic Industries 14600 S Hwy 71	E adjacent / cross-gradient	RCRA-SQG	Not a REC, see discussion below
Sika Corp	NW adjacent /	RCRA-SQG, ECHO,	Not a REC due
14201 Botts Rd	downgradient	FINDS	to gradient
Payless Cashways Inc	NE adjacent / downgradient	RCRA NonGen /	Not a REC due
14330 S Hwy 71		NLR, ECHO, FINDS	to gradient
USDOE Kansas City National Security Camp 14520 Botts Rd	W adjacent / cross-gradient	ECHO, FINDS, RCRA-LQG, PFAS ECHO	Not a REC, see discussion below



Facility Name and Location	Estimated Distance / Direction/Gradient	Database Listings	Findings Summary
Richards Gebaur Air Force Base Hwy 150 & Us 71 Hwy	Approximately 350 feet SW and S / upgradient	SEMS, ROD	Not a REC, see discussion below
Grandview Radio Bea Ax 2	Approximately 350 feet SW and S / upgradient	FUDS	Not a REC, see discussion below
True Value Company 14900 S Hwy 71	Approximately 650 feet SE / cross-gradient	RCRA-SQG, LIST, SPILLS, UST	Not a REC due to distance and gradient

Holistic Industries

Holistic Industries was located at 14600 S Highway 71, east adjacent to the site (east of the railroad tracks), and downgradient. The facility was listed on the Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG) database from 2020 – 2022 for storing ignitable waste, corrosive waste, reactive waste, and chloroform. The North American Industry Classification System (NAICS) code for the facility was 111419 – Other Food Crops Grown Under Cover. No violations were listed for the facility. Based on gradient and regulatory status as noted in the EDR database report, a regulatory file review with the MDNR was not warranted. As the facility was downgradient and no violations were listed, the Holistic Industries facility does not represent a REC to the site.

USDOE KC National Security Campus

USDOE KC National Security Campus is located at 14520 Botts Road, west adjacent to the site (west of Botts Road), and cross gradient. The facility was listed on the Facility Index System/Facility Registry System (FINDS), Facility Index System/Facility Registry System, Perand polyfluoroalkyl substances (PFAS) ECHO, and Superfund Enterprise Management System (SEMS) databases. The FINDS listing is related to a National Pollutant Discharge Elimination System (NPDES) permit dated July 2020, for the related to expansion construction activities. The SEMS listing did not report any releases for the facility. The facility has several *North American Industry Classification System* (NAICS) codes noted as: other electronic component manufacturing; all other basic organic chemical manufacturing; all other miscellaneous manufacturing; all other miscellaneous fabricated metal product manufacturing; national security; and electroplating, plating, polishing, anodizing, and coloring. Violations were not listed for the facility. The database did not list specific chemicals used at the facility.

The facility property is west adjacent, however the actual manufacturing building is located approximately 1,400 feet west of the site. Based on the distance to the building, lack of violations, and cross-gradient location, this facility does not represent a REC to the site.

Richard's Gebaur Air Force Base (AFB)

Richard's Gebaur AFB was located at Highway 150 and US 71 Highway, south adjacent to the site (south of Highway 150), and upgradient. The facility was listed on the Safety and Environmental Management System (SEMS) database from 1981 – 2004 and the Record of Decision (ROD)



database in 2004 and 2007. The ROD listing was first issued in 2004 for two locations within the AFB with residual soil contamination and six locations within the AFB with residual groundwater contamination. The ROD included restrictive covenants in place to prohibit excavation and residential use without prior authorization from the Air Force, MDNR, and EPA. As these areas of contamination were not found to migrate offsite or downgradient, a regulatory file review was not warranted and this facility does not represent a REC to the site.

Grandview Area Bea Ax 2

The Grandview Area Bea Ax 2 facility was mapped on the subject site by EDR. However, based on a review of historic aerial photographs, the radio tower was located on the former Richard's Gebaur AFB to the south, approximately 550 feet south of the site boundary. The EDR database listed the radio tower on the Formerly Used Defense Sites (FUDS) database, FUDS #B07M00970, stating "The Air Force constructed a navigational radio beacon antenna and support utilities. Later the antenna was removed and a ceilometer system was installed as weather aid for pilots and controllers." No dates were noted in the report, however, based on the aerial photographs reviewed, Richard's Gebaur AFB air strip was no longer present to the south by at least August 2009. Based on the distance from the site and nature of the radio tower, it does not represent a REC to the site.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed three facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment. One of the listings is the west adjacent US DOE Kansas City National Security discussed above (14520 Botts Road). One of the listings is southwest adjacent US DOE Kansas City National Security discussed below. These facilities are listed in the database report in Appendix D.

The US DOE Kansas City National Security orphan listing at 14901 Andrews Road is southeast of the site, south of 150 Highway, cross gradient, and was listed on the SEMS database. The facility is related to the US DOE KC National Security Campus at 14520 Botts Road, discussed above. The SEMS listing did not report any releases for the facility. This facility does not represent a REC to the site.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
Kansas City, MO Parcel Viewer https://maps.kcmo.org/apps/parcelviewer/	The KC, MO Parcel viewer website was reviewed on April 11, 2023. The site has several addresses: 14650 Colorado Ave. – No code cases were noted, no property holds were noted, 18 plans were submitted for



Response struction/renovation/additions 1 2012 - 2022, and 19 permits 1 requested for construction on 1 and utilities from 2012 - 2023. 164 Colorado Ave No code 15 were noted, no property holds 16 e noted, 2 plans were submitted 16 ot split and development plans 16 2021 - 2022, and 8 permits 16 requested for 16 struction/demo on site and
struction/renovation/additions 1 2012 - 2022, and 19 permits 2 requested for construction on and utilities from 2012 - 2023. 64 Colorado Ave No code 2 were noted, no property holds 2 noted, 2 plans were submitted 3 to split and development plans 3 2021 - 2022, and 8 permits 3 requested for
ties from 1981 – 2021. 165 Colorado Ave No code tes were noted, no property holds te noted, and 2 permits were tiested for zoning approval from to - 2023. 161 Colorado Ave No code tes were noted, no property holds te noted, 2 plans were submitted to split and development plans to 2021 - 2022, and no permits te requested. 199 Colorado Ave No code tes were noted, no property holds te noted, 4 plans were submitted to split and development plans to 2021 - 2022, and 7 permits te requested for utilities, special tections, and construction from to - 2023. 160 Colorado Ave No code tes were noted, no property holds te noted, 2 plans were submitted to split and development plans to 2021 - 2022, and no permits te requested. 160 E M 150 Hwy - No code tes were noted, no property holds te noted, 2 plans were submitted to split and development plans to 2021 - 2022, and no permits te requested. 160 E M 150 Hwy - No code tes were noted, no property holds te noted, 2 plans were submitted to split and development plans to 2021 - 2022, and no permits te requested. 161 Botts Rd No code cases te noted, no property holds were to 4 plans were submitted for to plit and development plans from to 2021 - 2022, and 4 permits were to 4 plans were submitted for to plit and development plans from to 2022, and 4 permits were to the parcels are not



Agency Contacted/	
Contact Method	Response
	00-000, 67-500-03-39-03-0-00- 000, 67-500-03-39-01-2-00-000, 67-500-04-39-01-5-00-000, and 67-500-04-39-01-7-00-000). These 5 parcels did not have any listed code cases or property holds. Plans and permits were noted for these parcels related to lot split and development.
MDNR Well Installation Section Drilling Information Map Well Installation Section Drilling Information Map (WISDIM) (arcgis.com)	The MDNR WISDIM database was reviewed on April 11, 2023. Two wells were documented on the east side of the site as oil wells (095-21461 and 095-21488) and are listed as plugged. * 12 monitoring wells were documented for the Richard's Gebaur Air Force Base: 8 southwest of the site across 150 Hwy and 4 west of the site across Botts Road. The wells are listed as abandoned. Richard's Gebaur is further discussed in Section 4.1, above.
MDND Environmental Cita Turning and Decemb Test	to the site. The MDNR ESTART database was
MDNR Environmental Site Tracking and Research Tool (ESTART): https://apps5.mo.gov/ESTARTMAP/map/init_map.action	reviewed on April 11, 2023. Payless Cashways at 14330 S 71 Hwy, was documented as a UST facility and the tank(s) were closed prior to 2004 Tanks RBCA guidelines (the number of tanks for this site was not listed). No other information was reported. Payless Cashways was not listed in the EDR database as a UST facility (Section 4.1). This facility was northeast adjacent and downgradient and does not represent a REC to the site. Bldg 1025 Richard's Gebaur Air Force Base, southwest of the site, southwest adjacent, was documented as a UST facility and the tank(s) were closed prior to 2004 Tanks RBCA guidelines (the number of tanks for this site was not listed). No other information was reported. Bldg 1025 Richard's Gebaur Air Force Base was not listed



Agonov Contrated	
Agency Contacted/ Contact Method	Response
Solicase Process	in the EDR database as a UST facility (Section 4.1). This building has been demolished and a warehouse is now present on the property. Due to the redevelopment of the property, this listing does not represent a REC to the site.
Kansas City, MO Fire Dept. www.kcmo.gov/city-hall/departments/city-manager-s- office/city-communications-office/sunshine-law-request- form	Mr. Thomas Kievlan, Assistant Fire Marshal, stated the following: "no records found of any known inspections and/or known fire code violations at this time; no hazardous waste permit issued; no flammable contents permit issued; no records found regarding fire department responses for hazardous material releases; and no records found for known storage tanks." Mr. Kievlan provided records concerning an emergency response incident at the site which occurred on December 8, 2016. According to the investigation narrative, a structure fire occurred in a single-story mobile business office caused by accidental overheating of the electrical heating equipment and components. This incident is not a REC to the site.
Kansas City, MO Health Dept. www.kcmo.gov/citv-hall/departments/citv-manager-s- office/city-communications-office/sunshine-law-request- form	According to the Public Records Coordinator, the City of Kansas City has reviewed its files and has determined there are no responsive documents.
Kansas City, MO Office of Environmental Quality www.kcmo.gov/city-hall/departments/city-manager-s-office/city-communications-office/sunshine-law-request-form	According to the Public Records Coordinator, the City of Kansas City has reviewed its files and has determined there are no responsive documents.
National Pipeline Mapping System (NPMS)** https://pvnpms.phmsa.dot.gov/PublicViewer/	The NPMS website was reviewed on April 11, 2023 and a Hazardous Liquid Pipeline is mapped across the north end of the site. No incidents or spills on or near the site were noted on the NPMS website.
Environmental Protection Agency (EPA) EnviroFacts https://enviro.epa.gov/	The EPA EnviroFacts website was reviewed on April 11, 2023: Ideker was listed at two addresses on the site: 5600 E 150 Hwy due to a National Pollutant Discharge



Agency Contacted/ Contact Method	Response
	Elimination System (NPDES) permit for storm water runoff; and 14650 Colorado Avenue for an air permit, MO0002909502473 Minor Emissions, based on site activities Asphalt Paving Mixture and Block Manufacturing. No violations were listed for either address or listing. These listings do not represent a REC to the site.
	Frontier Bag was listed at 5720 E 150 Hwy, southeast adjacent of the site. Frontier Bag is further discussed in Section 4.1, above.

^{*} Although the former gas wells appear to have been abandoned, oil and gas drilling/production operations may represent a potential source of salt water and hydrocarbon contamination to soil and groundwater. Dry holes with improperly installed or damaged plugs may represent potential pathways for salt water and hydrocarbons to migrate from deep strata into shallow soils and groundwater. Additionally, ponds and mud/evaporation pits may be a source of potential hydrocarbon contamination or possible heavy metals or other contaminants as the mud could have been mixed, pump, and recirculated in the wells, and then placed back into onsite ponds/pits for disposal.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance	
Field Personne	Melissa A. Dowling
Reconnaissance Date	April 13, 2023
Weather Conditions	Sunny, mild
Site Contact/Title	Kevin Breslin / Owner's Representative

^{**} The Hazardous Liquid Pipeline is further discussed in Sections 3.6 and 5.4 of this report.



Site Reconnaissance	
Site Utilities	
Drinking Water	KC Water
Wastewater	KC Water
Electric	Evergy
Natural Gas	Spire

5.2 Overview of Current Site Occupants

The site is located at 14650 Colorado Avenue in Kansas City, Jackson County, Missouri and is approximately 246 acres. The site is comprised of multiple parcels, one parcel was developed as an apparent asphalt batch plant (now demolished), the remainder of the site was undeveloped land in varying states of clearing and grading and contained an intermittent stream, drainage ditches, and a wetland area on the northeast corner.

5.3 Overview of Current Site Operations

The site is currently vacant, with no site buildings. The former asphalt plant was demolished in late 2022. The north end of the site (north of the intermittent stream) has been graded. The south end of the site (south of the intermittent stream) is currently being cleared of trees to prepare for site grading. The northeast corner of the site is a designated wetland area of approximately 25 acres.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
	Emergency generators	
	Elevators	
	Air compressors	
Site Operations, Processes, and	Hydraulic lifts	
Equipment	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	



Category	Item or Feature	Observed or Identified
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas, or mineral production	
	Other processes or equipment	
Aboveground	Aboveground storage tanks	
Chemical or	Drums, barrels, and/or containers \geq 5 gallons	
Waste Storage	MSDS or SDS	
	Underground storage tanks or ancillary UST equipment	
Underground	Sumps, cisterns, French drains, catch basins, and/or dry wells	
Chemical or	Grease traps	
Waste Storage, Drainage or	Septic tanks and/or leach fields	
Collection Systems	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	Х
	Interior floor drains	
Electrical	Transformers and/or capacitors	Х
Transformers/ PCBs	Other equipment	
Polos oce est	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
Releases or Potential Releases	Leachate and/or waste seeps	
	Trash, debris, and/or other waste materials	Х
	Dumping or disposal areas	Х
	Construction/demolition debris and/or dumped fill dirt	



Category	Item or Feature	Observed or Identified
	Surface water discoloration, odor, sheen, and/or free-floating product	
	Strong, pungent, or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
	Surface water bodies	Х
Other Notable Site Features	Quarries or pits	
	Wastewater lagoons	
	Wells	

Underground Chemical or Waste Storage, Drainage or Collection Systems

Pipeline markers

Petroleum pipeline markers are present across the center of the site, west to east. The pipeline is north of the intermittent stream on the west end of the site, crosses the stream near the center of the site, and is south of the stream across the east side of the site. The pipeline is owned by Magellan Midstream Partners LP. Indications of releases were not observed in the vicinity of the petroleum pipeline markers during the site visit. The National Pipeline Mapping System (NPMS) website listed this pipeline as active but "unfilled." Per the interviews, the pipeline is "dry" and has not carried petroleum product for at least 30 years (See Section 3.6 above). As there was no visual surficial evidence of a release, the pipeline has been unfilled or dry for at least 30 years, and is still under the ownership/maintenance of Magellan Midstream Partners, LP and not abandoned, it does not represent a REC to the site.

Pipeline markers were observed along the west and south site boundaries during the site visit. Associated labeling indicated the pipeline contained natural gas and was owned by Spire. The markers appeared to be associated with a typical service line serving commercial and residential properties. Indications of releases were not observed in the vicinity of the natural gas pipeline markers during the site visit. This natural gas pipeline was not identified on the NPMS online map reviewed in Section 4.2 of this report. Based on its properties as a gas (not a liquid at standard temperature and pressure), this natural gas pipeline is not a REC to the site.

Electrical Transformers/ PCBs

Transformers and/or capacitors

During Terracon's site visit, one pad-mounted transformer and one pole-mounted transformer, likely owned and serviced by Evergy, were observed on the southeast corner of the site at the former Ideker facility; however, no information with regard to PCB content of the transformer fluids was observed. Some transformers contain mineral oil which may contain PCBs.



Evergy likely maintains responsibility for the transformers, and if the transformers were "PCB contaminated," Evergy is not required to replace the transformer fluids until a release is identified. However, evidence of current or prior release was not observed in the vicinity of the electrical equipment during the site reconnaissance.

Releases or Potential Releases

Trash, debris, and/or other waste materials

One municipal waste dumpster was present at the former Ideker facility. The dumpster was labeled as a Waste Management dumpster. The dumpster was empty at the time of the site visit. There were no visual signs of spills or releases near the dumpster or noxious odors at the time of the site visit.

Dumping or disposal areas

An area of dumping (approximately 3-4 pickup truck loads), consisting of furniture, household goods, clothing, and trash was observed along the south site boundary, east of the center access drive. No signs of staining, spills, oily sheens, or noxious odors were observed at or near the dumping area during the site reconnaissance. The dumping area does not represent a REC to the site at this time.

Other Notable Site Features

Surface water bodies

A drainage ditch was observed flowing from the southwest corner of the site to the northeast and draining into an intermittent stream in the center of the site. The intermittent stream flows to the east, northeast to a wetland designated area on the northeast corner of the site. A small drainage ditch was located on the south boundary flowing to the west and into the drainage ditch in the southwest corner of the site. Two stormwater detention basins were observed north of the intermittent stream; one on the west side and one on the east side. The stormwater basins were equipped with sediment skimmers. An intermittent stream was present across the center of the site flowing to the east.

No evidence of chemical sheens was observed on the surface of the waters, and no noxious odors were noted emanating from within the drainage ditches, stormwater basins, or the intermittent stream at the time of the site reconnaissance.



6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	SIKA Corporation (NW), vacant lot (N), PODS Moving (N), commercial building under construction (NNE), residential neighborhood (NE)
East	Railroad tracks followed by: Extra Space Storage (NE), Factory Outlet (NE), Cloverleaf Apartments (E), Frontier Bag (SE), Stonehenge Outdoor (SE)
South	150 Highway followed by: Honeywell (SE), Kinder Morgan pipeline station (SE), Walmart Distribution Center, (S), commercial warehouse under construction (S), intersection/overpass of Botts Road and 150 Highway (SW), Centerpoint warehouse (SW)
West	Botts Road followed by: National Nuclear Security Association campus (W), Kelly Construction (NW)

RECs were not observed with the current day adjoining properties.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, additional services (asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

8.0 DECLARATION

I, Melissa A. Dowling, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

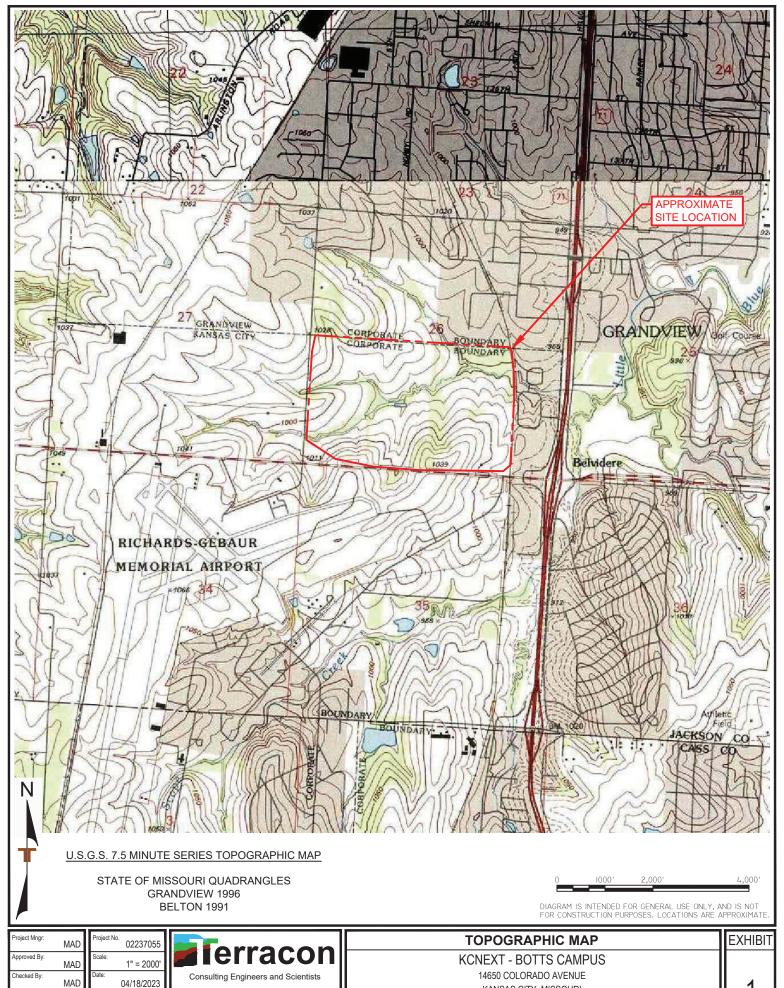


Melissa A. Dowling Site Investigation Group Manager

APPENDIX A

EXHIBIT 1: TOPOGRAPHIC MAP

EXHIBIT 2: SITE DIAGRAM

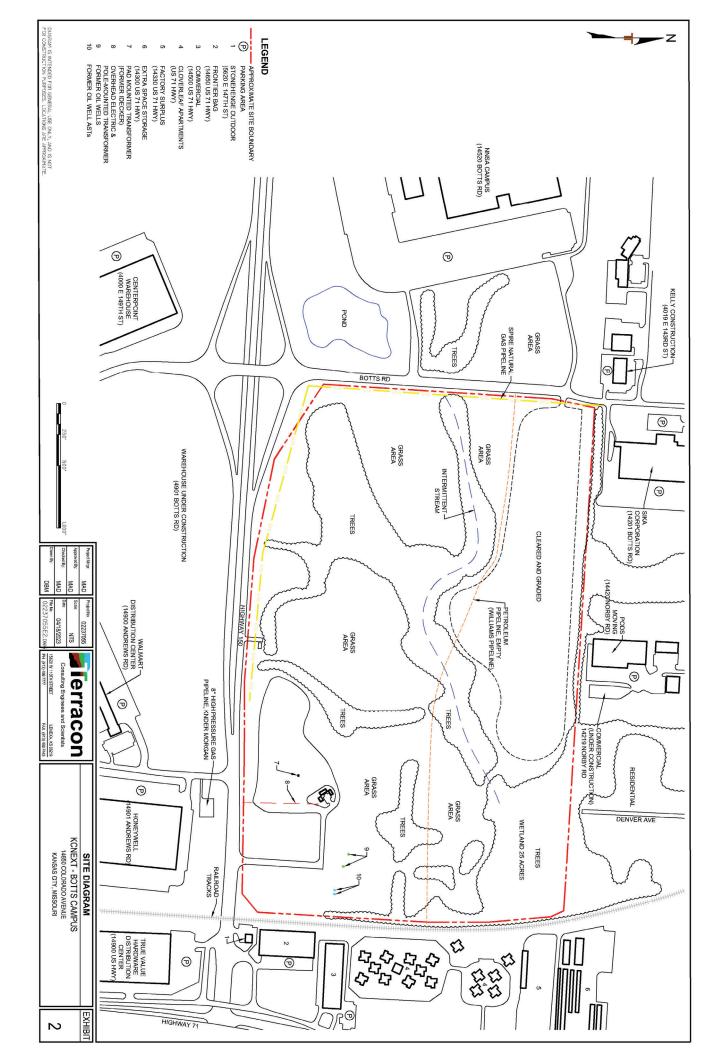


MAD Drawn By: DBM 02237055EI.DW



PH. (913) 492-7777

KANSAS CITY, MISSOURI



APPENDIX B SITE PHOTOGRAPHS





Photo #1 Facing N: View of W site boundary from SW corner, Botts Road left of photo



Photo #3 Facing S: SW corner of the site and SW adjacent storm culvert under Botts Road (from W, flowing E)



Photo #5 Facing NW: Tree clearing of SW corner of site around drainage ditch from storm culvert



Photo #2 Facing SW: View of SW corner of the site, Spire natural gas pipeline markers and stubbed service line



Photo #4 Facing WSW: Storm water flow from culvert in Photo #3



Photo #6 Facing SE: View across the S end of the site from the WSW





Photo #7 Facing ESE: View across the center of the S end from W end



Photo #9 Facing NW: View of the center of the site, S of the intermittent stream, tree clearing S of stream



Photo #11 Facing N: View of intermittent stream bank from S side



Photo #8 Facing ENE: View of the center of the site, S of the intermittent stream, tree clearing S of stream



Photo #10 Facing NNE: Sewer manhole and marker, S of intermittent stream, W of center of site



Photo #12 Facing W: View of the S side of the intermittent stream from center of site





Photo #13 Facing E: View of the S side of the intermittent stream from center of site



Photo #15 Facing S: Petroleum pipeline markers W – E), N of intermittent stream



Photo #17 Facing ESE: View of graded N end of the site, N of intermittent stream, 2nd detention basin left of photo, E end



Photo #14 Facing E: View across the N end of the site from the W boundary at Botts Road, graded portion



Photo #16 Facing S: Detention basin N of intermittent stream, W end



Photo #18 Facing W: View of N side of intermittent stream from center of N end





Photo #19 Facing ESE: View across the N end of site from center



Photo #21 Facing W: View of N site boundary (tree line) from E end of graded area



Photo #23 Facing NNW: View across the SE end of the site from Colorado Avenue



Photo #20 Facing ESE: View toward the NE corner of the site, wetlands area, from NE end of graded area



Photo #22 Facing NE: View of the SE corner of the site (undeveloped) and SE adjacent Frontier Bag facility



Photo #24 Facing SE: View of former oil well/gas well AST location (N end of Colorado Avenue)





Photo #25 Facing S: N end of Colorado Avenue at gate: N of gate undeveloped site property



Photo #27 Facing W: Natural gas pipeline marker SW of Colorado Avenue and IDecker drive



Photo #29 Facing W: Former IDecker hot plant AST location



Photo #26 Facing W: View from Colorado Avenue toward former IDecker asphalt plant, sewer access manhole



Photo #28 Facing E: Pole mounted electrical transformer, E end of former IDecker plant



Photo #30 Facing E: Former plant truck scales





Photo #31 Pad mounted electrical transformer for former IDecker plant



Photo #32 Facing WNW: Former natural gas service line for IDecker plant



Photo #33 Facing SE: View across the former IDecker facility, former milling pile area



Photo #34 Former IDecker municipal waste dumpster, E end of former plant



Photo #35 Facing N: View from the former IDecker plant across the E end of the site, S of the intermittent stream



Photo #36 Facing W: View from the former IDecker plant across the S end of the site, 150 Hwy S adjacent left of photo





Photo #37 Facing NE: View of E end of site, S of intermittent stream



Photo #38 Facing W: View of E end of site, S of intermittent stream



Photo #39 Facing E: View of S site boundary, center, 150 Hwy right of photo



Photo #40 Facing N: Dumping area, E of access drive, center of S site boundary



Photo #41 Facing NW: Fire hydrant E of access drive in Photo #40



Photo #42 Facing S: Drainage ditch / storm water, S boundary, center of site





Photo #43 Facing NNE: E adjacent RR track at terminus, SE of site, N of 150 Hwy, Stonehenge Outdoor



Photo #45 Facing N: N adjacent PODS

Moving facility and commercial building under construction



Photo #47 Facing S: N end of commercial building under construction from Photo #45



Photo #44 Facing E: Frontier Bag facility (E of RR tracks) SE of site



Photo #46 Facing S: N end of PODS Moving facility from Photo #45



Photo #48 Facing E: NW adjacent SIKA Corporation, W end at Botts Road





Facing W: NW adjacent Kelly Photo #49 Construction, W side of Botts Road



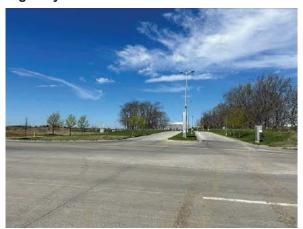
Road followed by NNSA Campus



Photo #51 Facing NW: SW adjacent intersection/overpass of Botts Road and 150 **Highway**



Photo #52 Facing SE: Commercial warehouse under construction S of 150 Hwy, S of site



Facing W: W adjacent Botts Road followed by S entrance to NNSA campus



Photo #54 Facing S: S adjacent 150 Hwy followed by natural gas pipeline station then commercial warehouse

APPENDIX C HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE



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I AM THE ATTORNEY IN FACT FOR THE BARBARA A. GIBLIN TRUST



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM WELL LOCATION PLAT

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See rule 10 CSR 50-2.030 for survey must be marked.	equirements	. Lease lines	9					
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Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

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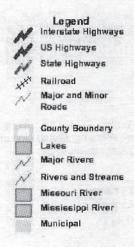
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Decimal Degrees [Lat, Lon]	[38.860638°, -94.531973°]
Deg, Min, Sec [Lat, Lon]	[38° 51' 38.3", -94° 31' 55.1"]
County Name	Jackson
County FIPS Code	095
Legal Description	Section 26 T47N R33W
Municipality	Kansas City
House District	56
Senate District	7
Congressional District	5
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Belton [38094-G5]
8 Digit Watershed	10300101 [Lower Missouri-Crooked]
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Special Well Drilling Area	Area 2
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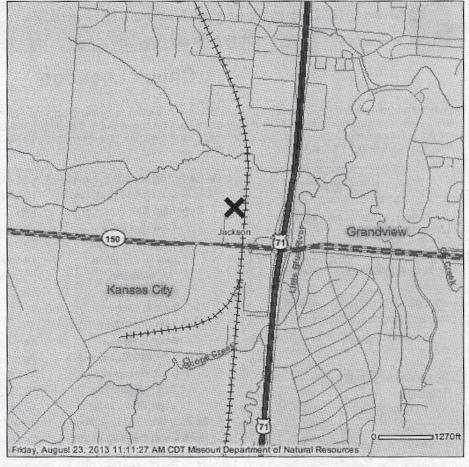
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NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Metadata

- Interstate Highways
- US Highways
- · State Highways
- Railroad
- · Major and Minor Roads
- · County Boundary
- Lakes
- Major Rivers
- · Rivers and Streams
- Missouri River
- Mississippi River
- Municipal





View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



P.O. Box 176, Jefferson City, MO 65102 800-361-4827 / 573-751-3443 E-mail: contact@dnr.mo.gov



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOGOIL &

APR 27 2015 FORM OGC-5

							10/11/11	2 12 2 10	JE PAITRAL
NEW WELL	WORKOVER [DEEPEN	PLUG BACK	INJECTION	☐ SAME RES	SERVOIR DI	FFERENT RESE	RVOIR	OIL GAS GAS
OWNER					ADDRESS				
BARBARA	A GIBLIN	RIZVA	CABLIE TRU	57	WELL NUMBER	TENNETH	RO LITAL	1000	18. 66224
SAINT I	BARBAI	AA	OR	DI C	ON IE			LATITUDE	LONGITUDE
		Vest ORft.	30,000			East □West		18.3 94931.55	
COUNTY			ER (OGC-3 OR OGC-31)	nom				49 27 0	0.0177.51.65
JACINSO.	~	214	161						
DATE SPUDDED	DA	TE TOTAL D		ATE COMPLET RODUCE OR II	ED READY TO	FEET	OF, RKR, RT, OR Gr.	FLANCE	ON OF CASING HD.
12/2/14	1	2/3/	TAL DEPTH	9/28	3/14	985	.0	3	.5"
TOTAL DEPTH	PLI			•					
536.5" PRODUCING OR INJE	CTION INTERVAL(S		6,95		ROTARY TOOL	S USED (INTERVA	AL)	CABLE	OOLS USED (INTERVAL
462,0"F					DRILLING FLUI	DUSED 1-1 30		NA	A
WAS THIS WELL DIRE			AS DIRECTIONAL SURVE	Y MADE?		DIRECTIONAL SU	RVEY FILED?	DATEFI	LED
Yes	⊠ No		Yes X	No	Yes	⊠N	0	DATE FI	
				STATE GEOLO	(361)			DATE:	
SITE A	MACHIT	0 10	G 5	CASING	RECORD	MESTIG	No Service	Real t	S Prof. Mar.
CASING (REPOR	RT ALL STRING	S SET IN	WELL - CONDUCT	TOR, SURF	ACE, INTERM	EDIATE, PRO	DUCING, ETC.		
PURPOSE	SIZE HOLE DI	RILLED	SIZE CASING SET	WEIG	HT (LB. FT)	DEPTH SET	SACKS C	EMENT	AMOUNT PULLED
SURFACIT	9.875		7.0"	20	DLA	21.9"	6		NA
NTERMITOIATE	5.625	**	2.875"	6	.5 - 18	506,9	5 80		NA
RODUCTION	10272		1.0"	1	.7 LB	504.0	o" astr	9	NIA
TO THE TANK		IG REC	ORD	NAME OF THE PARTY.		THE MALES	LINER RECO	ORD	
SIZE	DEPTH SET	H (1/1/2010)	KER SET AT SIZE		TOP	воттом	274040000000000000000000000000000000000	KS CEMENT	SCREEN
1,0"INCH	50 4, OFEET			A INCH	NO PEE	T FRAC	TURE CEME	NT SOLIE	EZE RECORD
CATA NEGOVEL	PERFOR	Alexander of				INT AND KIND (2,000,000,00	H INTERVAL
NUMBER PER FE	ET SIZI	E AND TYP	PE DEPTH IN	TERVAL	MATERIAL USED			DEPI	HINTERVAL
12 4 marie 1990	11 -		11077	+1177 A	ACID TREATMENT 1/21/14 SHUT IN POR FRACTURE 462.0" TO 472.0			L) 77 0"	
3 PICK FOO	5F 2' D	m r - 1	TE 461,0 7	0412,0	BETIER 3	13/14 TIES	7 10	2.0 10	7,2.0
		- 100							
DATE OF FIRST PROD	DUCTION OR IN IEC	TION	PRODUCING METHO	NITIAL PE	RODUCTION IF FLOWING, GAS	LIFT, OR PUMPIN	G - IF PUMPING, SH	HOW SIZE AN	D TYPE OF PUMP.)
2/3/1	LI	TION	INTERMIT					*	TACHED)
DATE OF TEST	HOURS TESTED	CHOKE S	IZE OIL PRODUCED I	DURING	GAS PRODUCE	D DURING TEST	WATER PRODUC	ED DURING	OIL GRAVITY
2/2/14	36	(2)		BBLS	MCF	19101	1	BBLS	26 API (CORR
TUBING PRESSURE	CASING PRES	SURE T	CALCULATED RATE OF		OIL	GAS	WATER ALLO	1/20	GAS OIL RATIO
13/19	157		PRODUCTION PER 24 HO	70	16 BBLS	MCF	2 BBLS		?
DISPOSITION OF GAS	S (STATE WHETHER	R VENTED, I	USED FOR FUEL OR SOL	D)					
VENTE METHOD OF DISPOS	D AL DE MUD PIT COL	NTENTS							
			TINGS U	< /	the way was a	2" 1" 1" 1" 14"	ROBE		
			state that I am the					uthorized	by said company
to make this rep	port, and that	this repo	rt was prepared u	nder my su	upervision an	d direction ar	nd that the fac	ts stated	therein are true,
DATE ,			ORNEY IN I	TACT FO	中心 生态流 百	网络陈荫农内	10, 0 1 Page / 1	RISUDE	ABLIT PRUST
4/17	Too	out on at	GIRLIAN .	Dun	- l	AL			
MO 780-0215 (8-06)	0.7.1	REMIT TWO	(2) COPIES TO: GEOLOG	CAL SURVEY	PROGRAM, PO B	OX 250, ROLLA, M	0-65402 (573) 368-7	2143.	(REV 8-0

INSTRUCTIONS: Attach drillers log or other acceptable log of well.

Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

the test in the second	CHES ROLL		AIL OF FORMATIONS PENETRATED
FORMATION	TOP	воттом	DESCRIPTION (SEE * ABOVE)
ABETTE	465,0"	472.0"	SANDSTONE GREY, TIGHT GRAINED, EXTREMEL
KPPER lauteriel?		26 - 007//	GASEY, OIL DARK, RELATIVELY LIGHT COLORES
	516.0"	= 19' "	SAMOSTOME BROWN, BROKEN BY LAYERS OF
MULICY	516.0	017,0	LIGHT GREY SHALE, OIL DARK, HITAUY
LOWER ?			
-2000 A S - 10 A V S - 3 S - 3 S - 3			
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CONSOLIDATED Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346 MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

MISCELLANEOUS ACCOUNTS JIM GIBLIN 409 VINE STREET STILLWELL KS 66085 (913)713-9861 ST. BARBARA #1 48893 26-47-33 01-21-2014 KS

Part Number	Description	Qty	Unit Price	Total
3107	15% HCL	200.00	1.7500	350.00
3166	ACID INHIBITOR	.75	50.0000	37.50
3175B	STIMOIL FBA	1.50	65.0000	97.50
3144	CLAY STAY (CS-250) (ESA-5	.50	37.0000	18.50
3129	CITY WATER	400.00		
3172A	KCL SUB MB6875 CC3107 (1	1.00	38.3300	38.33
4326	7/8" RUBBER BALL SEALERS	41.00	3.0000	123.00
Sublet Performed	Description			Total
9994-110	ACID MATERIAL DISCOUNT			-6.15
9994-110	ACID MATERIAL DISCOUNT			-27.44
9993-110	ACID EQUIPMENT DISCOUNT			-73.90
Description		Hours	Unit Price	Total
	POTTING CHARGE	1.00	400.00	400.00
424 ACID EQUIPMENT	MILEAGE	1.00	200.00	200.00
521 ACID PUMP CHAR	GE(1500 GALLON)	1.00	677.54	677.54
521 FRAC VALVES (2	" OR 3")	1.00	.00	.00
521 BALL INJECTOR		1.00	.00	.00
521 ACID EQUIPMENT	MILEAGE	1.00	200.00	200.00

Amount Due 2158.57 if paid after 02/23/2014

2050.64	AR	8.84	Tax:	.00	Freight:	671.75	Parts:
		2050.64	Total:	.00	Misc:	.00	Labor:
		.00	Change:	.00	Supplies:	-107.49	Sublt:

Signed



REMUT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346 MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

INVOICE # 269982

Invoice Date: 07/31/2014 Terms: 0/0/30,n/30 Page 1

MISCELLANEOUS ACCOUNTS JIM GIBLIN 409 VINE STREET STILLWELL KS 66085 () - SAINT BARBARA #1 & 3 49939 26-47-33 7-29-14 MO

		=========		=======
Part Number	Description	Otv	Unit Price	Total
1275	15% HCL	75.00	1.7500	131.25
1202	ACID INHIBITOR	.25	50.0000	12.50
1219B	STIMOIL FBA (SR-445)	11.00	65.0000	715.00
1268	CITY WATER	11000.00	.0173	190.30
1215A	KCL (1/1000)	12.00	38.3300	459.96
1231	FRAC GEL	200.00	9.0000	1800.00
1208	BREAKER LEB4-ESA 14-GB10	.50	200.0000	100.00
1205A	BIOCIDE (AMA-35-D-P) (DR	6.00	30.0000	180.00
1244	CLAY STAY (CS-250) (ESA-5	6.00	37.0000	222.00
4326	7/8" RUBBER BALL SEALERS	29.00	3.0000	87.00
2104A	16/30 BROWN SAND	600.00	.2700	162.00
2102	12/20 BROWN SAND	7400.00	.2700	1998.00
Sublet Performed	Description			Total
9998-110	FRAC MATERIAL DISCOUNT			-289.41
9997-110	FRAC EQUIPMENT DISCOUNT			-352.02
9998-110	FRAC MATERIAL DISCOUNT		7	-13.87
Description			Unit Price	Total
T-91 WATER TRANSPOR		5.00	120.00	600.00
VALVE FRAC VALVES (2		2.00	100.00	200.00
458 PROPANT DELIVE	RY	1.00	408.20	408.20
BALLI BALL INJECTOR		2.00	.00	.00
	CHARGE 1000 HP UNIT	1.00	2300.00	2300.00
	CHARGE 1000 HP UNIT	1.00	2044.93	2044.93
524 MILEAGE CHARGE		65.00	4.00	260.00
582 MINIMUM ACID S	POTTING CHARGE	1.00	375.00	375.00



REMUT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346

MAIN OFFICE P.O. Box 884 Chanute, KS 66720

620/431-9210 • 1-800/467-8676 Fax 620/431-0012

INVOICE

582

269982

Invoice Date: 07/31/2014 Terms: 0/0/30,n/30

Page 2

MISCELLANEOUS ACCOUNTS

JIM GIBLIN 409 VINE STREET STILLWELL KS 66085 ()

SAINT BARBARA #1 & 3

49939 26-47-33 7-29-14 MO

Description MILEAGE CHARGE (ONE WAY)

T-221 WATER TRANSPORT (FRAC)

Hours Unit Price 4.00 65.00

Total 260.00

5.00

120.00

Invoice #

600.00

_______ .00 Tax: 18.84 AR 12469.68 6058.01 Freight: Parts:

Labor:

.00 Misc:

.00 Total:

12469.68

-655.30 Supplies:

.00 Change:

.00

Signed

Date

BARTLESVILLE, OK 918/338-0808

EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7664

PONCA CITY, OK 580/762-2303

OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914

CUSHING, OK 918/225-2650



PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

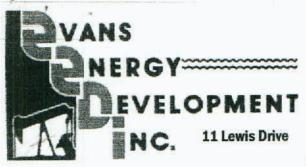
stull

FOREMAN (2010)

TREATMENT REPORT

D	Lauren	f		FRAC & A	STORY MALESTAN			
DATE	CUSTOMER #	1.21	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
7-29-14	9999		re-bora fl		26	47	33	Jackson (A)
CUSTOMER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	in graja			46. 中华,这个一个		热心型影响	三君 注意
Tim	Ghlin			A STATE OF THE PARTY OF THE PAR	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRI	ESS				1524	Trampis		4 开发作用。
					1458	Tim		
CITY		STATE	ZIP CODE		735/791	Gorge		
计图图 [15]	HELEN TO							
	WELL		1 1					
CASING SIZE	22	TOTAL DEPTH	4 1 1 1	1		TYPE OF T	REATMENT	4
CASING WEIGH	T	PLUG DEPTH			Franchin	<u> </u>		
TUBING SIZE		PACKER DEPTH	-1			CHEM	ICALS	
TUBING WEIGH	T	OPEN HOLE	11	,	Cityu	late		- X
PERFS & FORM		1 1 1 1 1 1		40365	KILS	ub.	2 1	
462.7.	2 (31)			20 10115	20 Gel/			
						,de		
The same of the sa	1 401 4				Clay Stay	in Short F		
ST	AGE	BBL'S PUMPED	INJ RATE	PROPPANT	SAND / STAGE	PSI		
Ta la	9	20	-16	19-1			BREAKDOWN	- the -
16/	20	Lance Contract		: 10 kg	300	A A STATE	START PRESS	URE
121	10				1700		END PRESSUR	E
12/10 3	-3+2+1 6	2116(9)			1		BALL OFF PRE	
	12/10		Till Till Till Till Till Till Till Till		2000		ROCK SALT PR	
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	earl						5 MIN	
	dhel	-					10 MIN	
W084		- >					15 MIN	
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Section 2	Lat of		SALAN AND THE STATE OF THE SALAN AND THE SAL	with the property		action of careers and	The same of the sa	med among the con-
	totals	130			4000		MAX RATE	1
							DISPLACEMEN	T ×./
REMARKS:								
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Bolland on			r_ =			** 1.7 Av	Tale Twiff	
THE PARTY	9-34						- C.	a facilities
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AUTHORIZATIO	N			TITLE		// // // // // // // // // // // // //	DATE	
AUTHORIZATIO	N	1		TITLE	100		DATE	

Terms and Conditions are printed on reverse side.



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

> Phone: 913-557-9083 Fax: 913-557-9084

Paola, KS 66071

WELL LOG

Barbara A. Giblin Revocable Trust Saint Barbara #1 Permit # 21461

December 31, 2013 - January 3, 2014

Thickness of Strata	Formation	<u>Total</u>
6	soil & clay	6
10	broken lime	16
21	shale	37
6	lime	43
40	shale	83
2	lime	85
8	shale	93
4	lime	97
5	shale	102
9	lime	111
2	shale	113
14	lime	127
7	shale	134
18	lime	152
6	shale	158
3	lime	161
2	shale	163
7	lime	170 base of the Kansas City
33	shale	213
4	silty shale	217 grey
9	sand	226 green & grey, light gas odor
- 51	shale	277
8	silty shale	285
21	shale	306
3	limey sand	309
39	shale	348 323 red shale
5	lime	353
7	shale	360
3	lime	363
5	shale	368
5	lime	373
1	shale	374
2	lime	376
5	shale	381
2	silty shale	383
9	shale	392
5	lime	397
8	shale	405
4	sand	409 grey making water
0.040	THE STATE OF THE S	

Saint Barbara #1		Page 2
1	lime	410
19	shale	429
1	lime	430
3	shale	433
1	lime	434
9	shale	443
1	lime	444
18	shale	462
3	broken sand	465
7	oil sand	472 bleeding sand, 70% silty shale
23	shale	495
1	lime & shells	496
17	shale	513
1	grey sand	514
2	broken sand	516 50% brown sand, 50% grey sand ok bleeding
1	oil sand	517 brown sand good bleeding (gassy)
2.5	broken sand	519.5 75% brown sand 25% shale good bleeding
17	shale	536.5 TD

Drilled a 9 7/8" hole to 21.9' Drilled a 5 5/8" hole to 536.5'

Set 21.9' of 7" threaded and coupled surface casing, cemented with 6 sacks cement.

Set 506.95' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp.



SOLD

No. 52692 O

OIL PATCH PUMP & SUPPLY INC.

OIL COUNTRY & INDUSTRIAL SUPPLY HOUSE P.O. BOX 591 CHANUTE, KANSAS 66720 620-431-1890 CHANUTE: 1-800-279-0116 OSAWATOMIE: 1-800-432-0217 INDEPENDENCE: 1-620-331-4580 IOLA: 1-620-365-5265 MADISON: 1-620-437-2100 WELLSVILLE: 1-785-883-4500

www.oilpatchpump.com

TO	Jim GOODUIN	pump.com	DATE	20.	-14	CUSTO	MER P.O.	k.	
			DELIVERE			PICK-UP		id-	
1	YPE of Funt		CHARGE		CASH	RETURN	V	QUOTE	
QUANTITY	DESCRIPTION	PART #	UNI LIST PE		DISC.	AGREED TERMS		AMOUN	T
_2	RAU ROAD TIES	RT		X		11,	71	32	62
1	15/16" Parisy Rup CiAMP	1000-031	2-101	X				46	23
1	#3010 DC NUMP UNIT YMINE BASE SERIAL # 131717	1008.23	3-18	X				2364	37
6	Table 1	Jc70#111-	13.8h)	X		68	74	409	44
	9' RAMST DOWN THIS FROM F	Pump-KS	5 p25 C	8				474	3) (
1	10' WEIGHTED MAKINDE	(2 (d) - 20 d) -	-VOAI	X				7.4	47
4	O. P. MOTOR RAY POITS	40012		X		2 :7	15	-11	n A
				4					
9	TOTAL OF BOTH TIEVETS								
	# 4,954.50 4760.00		71					-	
		4 1 1 2	21						
R	ECEIVED BY:				- A - C - C - C - C - C - C - C - C - C	SUBTOTAL SALES TAX		2011	
	OCATION:				000000000000000000000000000000000000000	TOTAL	2001000	(a 16 .	2
O POL	QUALITY OF WITHOUT WA	USED PRODUCTS ARRANTIES OR G	UARANTIE	S OF A	NY KIND		INION	ONLY	

MACHINE BILLING.





STATE OF MISSOURI GEOLOGICAL SURVEY PROGRAM APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

MAR 3 1 2014

☐ APPLICATI	ON TO DRILL	☐ DEEPEN	☐ PLUG I	BACK B	FOR AN OIL WE	EU OIL A OB	GAS WELLING
NAME OF COMPANY	OR OPERATOR BA	RBARA A.	SIBLIN REU			DATE	ac ocaro
BARBAR						3/25/14	
ADDRESS			Ci	I.Y			
DESCRIPTION	OF WELL AND	LEASE		TANCOD		153, 160	0229
NAME OF LEASE			WE	ELL NUMBER	44		
SAINT E	BARBARA		S.	T BARBAI	2M#3	977,69	7.
	1245,000	from North		1	//	☐ West section lin	e
DESCRIPTION OF WELL AND LEASE WELL NAMER NAMER NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING TO THIS RESERVENCY TAGO NAMER NAMER NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING TO THIS RESERVENCY TAGO NAMER NAMER NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING TO THIS RESERVENCY TAGO NAMER NAMER NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING TO THIS RESERVENCY TAGO NAMER NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING TO THIS RESERVENCY TAGO NAMER NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING TO THIS RESERVENCY TAGO NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING THE WELL THE TAGO NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING THE WELL THE TAGO NAMER OF WELLS ON LEASE INCLUDING THIS WELL COMPLETED IN OR DIRLINING THE WELL THE TAGO NAMER OF WELLS ON LEASE INCLUDING THIS WELL THE TAGO NAMER OF WELLS ON LEASE INCLUDING THIS WELL THE TAGO NAME							
						JACKSO	2PO 95
NEAREST DISTAN	CE FROM PROPOSE	ED LOCATION TO PR	OPERTY OR LEASE LI	NE480,000 F	EET		11/
PROPOSED DEPTH	PROPOSED LOCATI	ON TO NEAREST DR	AND ADDRESS SCOT	OR APPLIED - FOR	WELL ON THE SAM ROTARY OR CABLE	TOOLS APPROX. D.	ATE WORK WILL START
600,00	1 0' 1			AND THE SECOND PROPERTY OF STREET	DOTARY	4/15	114
	NUELCE					- 1	
144.95	NUMBER	R OF ABANDONED W	ELLS ON LEASE		· ·		
		MORE WELLS DRILL	ED, FROM WHOM PUF	RCHASED?	N		III.
	4						
ADDRESS				To the		ABAN	NDONED
STATUS (OF BOND	SINGLE WELL	00.000		CARL CONTRACTOR OF STREET	Part 1 (198.95)	
INJECTION ZONE, GO	L BAOK OF FORWITCH						
	PROPOSED CA	SING PROGRAM		APPROVED	CASING - TO BE F	FILLED IN BY STATE	GEOLOGIST
AMOUNT			CEMENT			1	5432073775
		20 LB5.	6 SACKS NEAT	22'	7"	200	Fulland
600'0"	2.875	6,5135	80 SACKS	600	2.875	65#	
I, the Undersign	ned, state that I a	m the on BACH	of the on Bach	(Company), an	d that I am autho	orized by said co	mpany to make
			er my supervision a	and direction and	d that the facts s	stated therein are	true, correct,
THE CONTRACTOR OF STATE AND ADDRESS OF THE			70.			DATE	
12-11	GIBLIN	- Jame &	blin			3/25/14	1
	71.10	, ,	DRILLER'S LOG R	FOURED	□ F-L0G5	REQUIRED IF RUN	37 28
APPROVED DATE	21488	3					
\sim 5	-9-14	M.10					
APPROVED BY	L U. 1	Donas	AND THE PROPERTY OF THE PARTY O				
WO -	THIS DEDINE	IOT TRANSFER	Waller Control Control Control	A production of the control of the c	OD TO ANY OTI	IER LOCATION	
ACROPTO - 2000	TO SELECT THE PROPERTY OF THE PARTY OF THE P	The state of the s	PARTIE AND ADDRESS OF THE PARTIES.				
				TO TE ENDORGEIVIE	INTO THE GEOLG	JOIO MENTO OF TH	E. NOI COLD
I. of th	ne (Co	ompany), confirm	that an approved d	Irilling permit ha	s been obtained	by the owner of	this well.
Council approva			nis form by present				
representative.						0.175	
DRILLER'S SIGNATUR	RE.					DATE	
MO 780-0211 (3-11)	REMIT	ONE (1) COPY TO: GE	OLOGICAL SURVEY PROG	SRAM, PO BOX 250, RO	DLLA, MO 65402 573-3	868-2143.	





STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

MAR 3 1 2014

FORM OGC-4

WELL LOCATION P	LAT		Mo Oil & C	as Council
OWNER'S NAME			1110 011 0	
BARBARA A GIBLIN RIS	VOLABLE TRUST	BARBAR	A A. GIBLIN T	OUNTY 03/07/12
SAINT BARBARA WELL LOCATION				JACKSON
1245,00 ft. from North	(GIVE FOOTAGE FROM			
WELL LOCATION	1 South hom section line	1. 110	Last West	Hom section line
Sec26 Township47 North Range	e <u>33</u> ☐ East ② West			
38°-51'-41734Z		94231-1	58,0974 W	
			*	
REMARKS				
SEE ATTACHED PL	AT			
INSTRUCTION	NS	This is to certi	fy that I have execut	ed a survey to accurately nce with 10 CSR 50-2.030 and
On the above plat, show distance of th	e proposed well from the		gas wells in accorda s are correctly showi	
two nearest section lines, the nearest I	lease line, and from the		L ² 4	
nearest well on the same lease comple				
same reservoir. Do not confuse surve See rule 10 CSR 50-2.030 for survey r	equirements. Lease lines.			
must be marked.	-₩			
REMIT TWO (2) COP	PIES TO:	REGISTERED LAND	SURVEYOR	NUMBER
GEOLOGICAL SURVEY	PROGRAM			
PO BOX 250, ROLLA, MO 65402- ONE (1) COPY WILL BE				



Add Place Latest Places Country List Where Am I?

Address → Lat Long Lat Long → Address Lat Long → DMS Lat Long → UTM

Convert Lat and Long to DMS

Type the lat and long values to convert into degrees minutes seconds.

Latitude DMS value of Lat:

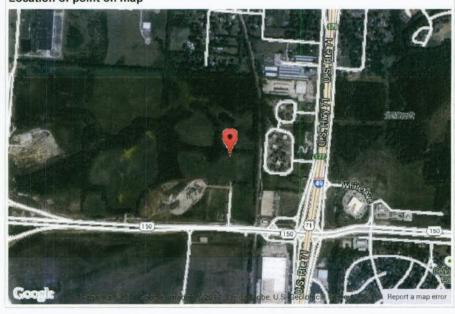
38.861583333333336 38° 51' 41.7000" N

Longitude DMS value of Long:

-94.5328055555556 94° 31' 58.1000" W

Location of point on map

Convert to DMS



© 2012-2014 www.latlong.net | Privacy | Contact

We do not guarantee the accuracy of the coordinate places. Please use latlong net at your own risk.

Lat long to DMS

On this page you can convert decimal degrees to DMS values.

The directions abbreviations;

- S: South
- W: West
- E: East
- N: North

What is DMS?

DMS is the abbreviation of Degrees Minutes Seconds.

Meanings of Signs

" degrees, ' minutes, " seconds.

Tips

- You can press ENTER to calculate DMS in the lat long input box.
- If you click into the DMS lat and DMS long input box, it will auto select the value.

RECEIVED

STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES

APR 27 2015 FORM OGC-5

	ELL COMPLET	ION OR RECOMP	LETION RE	PORT AND W	EMLLOG	& Gas	Council	
		PEN PLUG BACK I	Table 1	r years		The second second		
OWNER			ADDRE	SS				
CARON PO	M. SIDLIN	REVOCABLE F	RUST 100	WUMBER	-) I RD LITE	M GOOM	5 66224	
SAINT 1	SECTION RING		T I-I	(221212			Lavorus	
The second secon		OR West OR ft. fro		THE CONTRACT OF THE PARTY OF TH	Teast DWest	LATITUDE	LONGITUDE	
COUNTY		UMBER (OGC-3 OR CGC-31)		uui it. iioiii [□rast □vvest	03-21.4/	73 94931-5809	
TACHSON	3 21	488						
DATE SPUDDED		AL DEPTH REACHED DAT	E COMPLETED READ	FEET	(DF, RKR, RT, OR G	r.) ELEVATION FLANGE	N OF CASING HD.	
5/29/14	5/3	0/14	9/28/14	977	169	4.0	· ·	
TOTAL DEPTH		K TOTAL DEPTH						
800,0"	CTION INTERVAL(S) FOR T		LECTAR	RY TOOLS USED (INTER	VALI	CABLE TO	OLS USED (INTERVAL)	
524 re	The Court of the State of the S	THE COMPLETION	0	NG FLUID USED 1-12	entra de	NA		
WAS THIS WELL DIRE	CTIONALLY DRILLED?	WAS DIRECTIONAL SURVEY	MADE? WAS C	OPY OF DIRECTIONAL	SURVEY FILED?	DATEFILE	D	
☐ Yes	⊠ No	☐ Yes ☑ N		es 🖂	No	NA		
AND THE RESIDENCE	W 2000 75	UST LOGS FILED WITH THE STA	TE GEOLOGIST)			DATE FILE	D.	
SIEIE AT	TACHIED L		CASING RECO	RD		-		
CASING (REPOR	T ALL STRINGS SET	IN WELL - CONDUCTO	The state of the s	Market III	ODUCING, ETC			
PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. F	T) DEPTH SE	T SACKS	CEMENT	AMOUNT PULLED	
SURFACE	9.875"	7.0"	17.0	24.2	6		NIA	
INTERMEDIATE	5.625"	2.875"	6.5	6140	110		NIA	
PRODUCTION	NA	1.04	1.7	607.0	" N/A		NA	
SIZE	TUBING RE	ACKER SET AT SIZE	TOP	BOTTO	LINER RECO	ORD CKS CEMENT	SCREEN	
		N/A FEET) FEET	FEET		FEET	
ONEINCH	PERFORATION			ID, SHOT, FRA	A STATE OF THE STA	NT SQUEE	The second secon	
NUMBER PER FE	ET SIZE AND	TYPE DEPTH INTE	RVAL	AMOUNT AND KIND	The state of the s	DEPTH	NTERVAL	
				MATERIAL USE	,			
THREE	2" om L	176 524,0 To	5340 500	ATTACHE	D 53	LHO TO	534.0	
		INI	TIAL PRODUC	TION		TO SOME	"You see a like	
	UCTION OR INJECTION	PRODUCING METHOD	INDICATE IF FLOWIN	G, GAS LIFT, OR PUMPI	NG - IF PUMPING, SI	HOW SIZE AND T	YPE OF PUMP)	
	1/8/14	PUMPING E SIZE OIL PRODUCED DUP	SITE	TA CHIED	WATER PRODUC		OIL GRAVITY	
	HOURS TESTED CHOK	TEST	GAS PRO		TEST			
9/8/14	77 N	And the second s		MCF NIA	30		19,5 API (CORR.)	
TUBING PRESSURE	CASING PRESSURE	CALCULATED RATE OF PRODUCTION PER 24 HOUR		GAS	WATER - IT C		GAS DIE RATIO	
n3/P	5) poursos	D WEED COD THE CO COLD	127	BBLS N/A MCF	30 BBLS		ſ	
10179527000 101700000 107000	(2) WIE MHETHER VENIE	D, USED FOR FUEL OR SOLD)						
METHOD OF DISPOSA	LOF MUD PIT CONTENTS							
FUARO	rest on	- CUTINGS	USIED FO	r Acen	SO ROM	C		
CERTIFICATE:	I, the Undersigned	, state that I am the	of the and	ميا(Company), a	nd that I am au	uthorized by		
	plete to the best of	port was prepared unde my knowledge.	or my supervision	m and unection a	ind that the lac	is stated the	ach are true,	
DATE	Assessment of the second of th	TORNEY IN FAC	+ FOR THE	BANKARA	EIBUNT	CHOCARO	なったいがっ	
4/17	JAMIE	S GIBLIN	Aum	_ khh				
MO 780-0215 (8-06)	REMIT TV	VO (2) COPIES TO: GEOLOGICA	SURVEY PROGRAM	, PO BOX 250, ROLLA, M	40 65402 (573) 368-2	2143.	(REV 8-06)	

INSTRUCTIONS: Attach drillers log or other acceptable log of well.

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

DETAIL OF FORMATIONS PENETRATED										
FORMATION	TOP	воттом	DESCRIPTION (SEE * ABOVE)							
ABETIE APPER AWIRREL? TULKY OWER QUIRREL?	486°0 524.5°	491,5" 535.0"	SANDSTONIE, LIMIEY, BROKEN BY NUMERÓN LIGHT GREY SHALE LENSES, OIL, BLACK,							
-			÷							



REMITTO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346

MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

INVOICE Invoice # 269982

Invoice Date: 07/31/2014 Terms: 0/0/30,n/30

Page 1

MISCELLANEOUS ACCOUNTS JIM GIBLIN 409 VINE STREET STILLWELL KS 66085 ()

SAINT BARBARA #1 & 3 49939 26-47-33 7-29-14 MO

=======================================				=======
Part Number	Description	Qty	Unit Price	Total
1275	15% HCL	75.00	1.7500	131.25
1202	ACID INHIBITOR	.25	50.0000	12.50
1219B	STIMOIL FBA (SR-445)	11.00	65.0000	715.00
1268	CITY WATER	11000.00	.0173	190.30
1215A	KCL (1/1000)	12.00	38.3300	459.96
1231	FRAC GEL	200.00	9.0000	1800.00
1208	BREAKER LEB4-ESA 14-GB10	.50		100.00
1205A	BIOCIDE (AMA-35-D-P) (DR	6.00	30.0000	180.00
1244	CLAY STAY (CS-250) (ESA-5	6.00	37.0000	222.00
4326	7/8" RUBBER BALL SEALERS	29.00	3.0000	
2104A	16/30 BROWN SAND	600.00	.2700	162.00
2102	12/20 BROWN SAND	7400.00	.2700	1998.00
Sublet Performed	Description			Total
9998-110	FRAC MATERIAL DISCOUNT			-289.41
9997-110	FRAC EQUIPMENT DISCOUNT			-352.02
9998-110	FRAC MATERIAL DISCOUNT		*	-13.87
Description		Hours	Unit Price	Total
T-91 WATER TRANSPOR	T (FRAC)	5.00	120.00	600.00
VALVE FRAC VALVES (2		2.00	100.00	200.00
458 PROPANT DELIVE		1.00	408.20	408.20
BALLI BALL INJECTOR		2.00	.00	.00
	CHARGE 1000 HP UNIT	1.00	2300.00	
	CHARGE 1000 HP UNIT	1.00	2044.93	
524 MILEAGE CHARGE		65.00	4.00	260.00
	POTTING CHARGE	1.00	375.00	375.00



REMUT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346

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INVOICE

Invoice #

269982

Invoice Date: 07/31/2014 Terms: 0/0/30,n/30

Page

MISCELLANEOUS ACCOUNTS

JIM GIBLIN 409 VINE STREET STILLWELL KS 66085)

SAINT BARBARA #1 & 3

49939 26-47-33 7-29-14 MO

Description MILEAGE CHARGE (ONE WAY) 582 T-221 WATER TRANSPORT (FRAC)

Hours Unit Price 65.00 4.00

Total 260.00 600.00

5.00 120.00

______ .00 Tax: 18.84 AR 12469.68 6058.01 Freight: Parts:

Labor:

.00 Misc:

.00 Total:

.00

-655.30 Supplies:

.00 Change:

12469.68

Signed

Date



PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

2nd vell

FIREMAN GO WOOD LOCATION They

TREATMENT REPORT

				FRAC & P	CID				
DATE	CUSTOMER#	1000	L NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY	
7-29-11	9999	Samt	Berbere	* 3	26	47	33	Jucleson (N	
CUSTOMER					12000000000000000000000000000000000000			建筑等地产	
Jim G	ablin	a New Proof	electric model that might	Est 2003-1000-03	TRUCK#	DRIVER	TRUCK#	DRIVER	
MAILING ADDRES	S		PF . ST		524	Trampis	1		
					458	Tim			
CITY		STATE	ZIP CODE		552	Matt			
					680/7221	Steer	E.		
	WELL	DATA		•					
CASING SIZE 2		TOTAL DEPTH	1		TYPE OF TREATMENT				
CASING WEIGHT		PLUG DEPTH		(C)	And Spot	Fracture			
TUBING SIZE		PACKER DEPTH	4		11		ICALS		
TUBING WEIGHT		OPEN HOLE		1	CHUL	Va Lu-	75 15%	412 A-2	
PERFS & FORMAT	ION		v		KIL		July bet		
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		la la		7.8	5	- 7			
AUTHORIZATION				TITLE			DATE		

Terms and Conditions are printed on reverse side.



REMITTO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346

MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

INVOICE Invoice #

268593

Invoice Date: 05/31/2014 Terms: 0/30/10,n/30

Page

MISCELLANEOUS ACCOUNTS GIBLIN TRUST 14014 KENNETH RD LEAWOOD KS 66224)

ST. BARBARA #3 47210 05-30-2014 MO

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	110.00	11.5000	1265.00
1118B	PREMIUM GEL / BENTONITE	485.00	.2200	106.70
1111	SODIUM CHLORIDE (GRANULA	231.00	.3900	90.09
1110A	KOL SEAL (50# BAG)	550.00	.4600	253.00
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
Sublet Performed	Description			Total
9996-120	CEMENT MATERIAL DISCOUNT			-514.44
Description		Hours	Unit Price	Total
548 TON MILEAGE DE	LIVERY	306.90	1.41	432.73
666 CEMENT PUMP		1.00	1085.00	1085.00
666 EQUIPMENT MILE	RAGE (ONE WAY)	60.00	4.20	252.00
666 CASING FOOTAGE	Conspicion Control Con	614.00	.00	.00
675 80 BBL VACUUM	TRUCK (CEMENT)	3.00	100.00	300.00

Amount Due 3947.45 if paid after 06/10/2014

______ 94.08 AR 3393.66 .00 Tax: Parts: 1744.29 Freight: .00 Misc: .00 Total: 3393.66 Labor: -514.44 Supplies: .00 Change: .00 Sublt: ______

Signed

Date

BARTLESVILLE, OK 918/338-0808

EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7664

PONCA CITY, OK 580/762-2303

OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914

CUSHING, OK 918/225-2650



Invoice

DATE	INVOICE #
5/30/2014	998022

Oil & Gas Well Drilling Water Wells 11 Lewis Dr. Paola, KS 66071

Geo-Loop Installation

tion (913)557-9083

Scott A. Evans, President

BILL TO	
Barbara Giblin Revocable Trust	

TERMS	Project		
Due on recpt	Saint Barbara #3		

QTY	DESCRIPTION	RATE	AMOUNT
800 2 6 2 1	Feet Drilling a 9 7/8" and 5 5/8" Hole 3" X 20' Core Samples Sacks of Cement for Surface Casing Hour Minimum Backhoe to Dig Drill Pits Hour Waiting time .75 Hour Waiting on Tubing Delivery .75 Hour Waiting on Consolidated and use rig to plug back to tubing depth	10.00 800.00 14.00 95.00 400.00	8,000.0 1,600.0 84.0 190.0 400.0
	1557		
	halance after 30 days		

Finance charge on unpaid balance after 30 days Computed at 1.5% per month 18% annual percentage.

Total

\$10,274.00



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

> Phone: 913-557-9083 Fax: 913-557-9084

Paola, KS 66071

WELL LOG

Barbara A. Giblin Revocable Trust Saint Barbara #3

May 29 - May 30, 2014

Thickness of Strata	Formation	Total
18	soil & clay	18
11	lime	29
5	shale	34
1	lime	35
11	shale	46
8	lime	54
40	shale	94
2	lime	96
8	shale	104
6	lime	110
5	shale	115
22	lime	137
10	shale	147
17	lime	164
6	shale	170
	lime	172
2 3	shale	175
7	lime	182 base of the Kansas City
10	shale	192
2	sand	194 light gas odor, green
42	shale	236
7	silty shale	243
41	shale	284
4	sand	288 green, no odor, makes water
73	shale	361
4	lime	365
7	shale	372
7 2 7	lime	374
7	shale	381
7	lime	388 oil show
4	shale	392
1	grey sand	393 hard, light bleeding
4	silty shale	397
10	shale	407
5	lime	412
4	shale	416
9	lime	425
20	shale	445
1	lime	446

Saint Barbara #3		Page 2
29	shale	475
2	red shale	477
7	shale	484
1	silty shale	485
1	oil sand	486 dark brown & lime sand ok bleeding gassy
1	oil sand	487 dark grey light bleeding
0.5	broken sand	487.5 60% grey sand 40% shale, no show
1.5	silty shale	489
2.5	oil sand	491.5 grey sand minimal oil show, few thin limey seams
32.5	shale	524
0.5	sand & shale	524.5 slight bleeding
2	oil sand	526.5 good bleeding
0.5	shale	527
2.5	oil sand	529.5 good bleeding
0.8	shale	530.3
0.7	oil sand	531 good bleeding
0.4	shale	531.4
3.6	oil sand	535 good bleeding
109	shale	644
1	coal	645
63	shale	708
4	silty shale	712
8	sand	720 green & white, no odor
17	shale	737
6	sand	743 white, no odor or show
16	shale	759
20	sand	779 white, no odor
21	broken sand	800 white & shale, no show
		800 TD

Drilled a 9 7/8" hole to 24.1' Drilled a 5 5/8" hole to 800'

Set 24.1' of 7" surface casing, cemented with 6 sacks cement.

Set 614' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp.

	M	Core Time:	S		
Minutes	Seconds			Minutes	Seconds
	45		484		46
	43		485		42
	36		486		39
	45		487		41
	34		488		41
	32		489		51
	33		490		55
	36		491		33
	33		492		35
	37		493		35
	34		494		37
	34		495		42
	34		496		43
	35		497		46
	34		498		34
	36		499		36
	37		500		41
	36			1	17
	37			1	0
	31				
	Minutes	45 43 36 45 34 32 33 36 33 37 34 34 34 35 34 36 37	Minutes Seconds 45 43 36 45 34 32 33 36 33 37 34 34 34 35 34 36 37 36 37	45 484 43 485 36 486 45 487 34 488 32 489 33 490 36 491 33 492 37 493 34 494 34 495 34 496 35 497 34 498 36 499 37 500 36 501 37 502	Minutes Seconds Minutes 45 484 485 43 485 486 45 487 34 488 32 489 33 490 36 491 33 492 37 493 34 494 34 495 34 496 35 497 34 498 36 499 37 500 36 501 1 37 502 1





COUNTY:

OIL PATCH PUMP & SUPPLY INC.

OIL COUNTRY & INDUSTRIAL SUPPLY HOUSE
P.O. BOX 591 CHANUTE, KANSAS 66720 620-431-1890
CHANUTE: 1-800-279-0116 OSAWATOMIE: 1-800-432-0217
INDEPENDENCE: 1-620-331-4580 IOLA: 1-620-365-5265
MADISON: 1-620-437-2100 WELLSVILLE: 1-785-883-4500

SOLD	Jim Gooduini www.oilpatchpu	ımp.com	DATE	70-	117	CUSTOM	ER P.O.		
			DELIVERED		14	PICK-UP			
İ	VPE OF PUMP		CHARGE	CAS	SH	RETURN		QUOTE	
QUANTITY	DESCRIPTION	PART #	UNIT LIST PR	CE D	ISC.	AGREED TERMS	MA	AMOUN	IT
2	RAIL POAN TIES	RT		X		110 5	11	32	42
1	15/16" POLISH RUB CLAMP 10	00-03/2	-101	X				46	23
Y _	#3010 SC NUMP UNIT WHINE BASE	1008.23	-18	X				364	32
Ь	70# 10 WEIGHTS 1	570≠1n-	13841	X		682	4	409	lift suf
7	4' PHAST DAWN HOLE PLANT P.	mP-KS	PF50	9				676	9
1	10' WEIGHTED MAKITOR L	10-11A-	ION	X				7#	47
4	O.P. MOTOR RAIL POLTS	40012	í.	X		2.7	5	-//	20
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LO	DCATION:	SED PRODUCTS			Т	OTAL		16	Z

MACHINE BILLING.

WITHOUT WARRANTIES OR GUARANTIES OF ANY KIND.

FORMAL ACCOUNTING WILL BE MADE ON ALL PRICES IN EFFECT AT TIME OF

9	≋			
à	(4)			

MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

OIL AND GAS WELL PLUGGING REPORT

FOR OFFICE USE ONLY	DATE RECEIVED				
CHECK NUMBER	CHECK-ANDINI 2 2 2021				
2614	8100:00 E				
PROCESSED BY	1100.				

			11.00	EGGED B !		£6
WELL OWNER INFORMAT						
NAME OF COMPANY, ORGANIZATION,	OR INDIVIDUAL THAT	DRILLS, MAINTAINS, OPI	ERATES, OR CONTROLS O	IL AND GAS WELLS IN MIS	SOURI OPERATO	R LICENSE NUMBER
BARBATEA GI	BLIN R	EVOKAB	LF TRUS	- American Control of the Control of		37
					STATE	ZIP CODE
PRIMARY CONTACT NAME	1002		KAR	OSA CONTRACTOR	y MO	64143
JAMES G. BL	ITHE AND L	PERATE	1913.449	-3977 Jima	IBLIN Z	AT CAPIAIL . C
COUNTY COUNTY	LECAL DESCRIP	TION	BE NAD83 AND A	S DECIMAL DEGR	REE TO THE	FIFTH DECIMAL)
Not the second of the second	CEGAL DESCRIP	_ 119	V 82	LATITUDE	LON	GITUTDE
PRODUCTION UNIT (LEASE OR SURFA	Sec. A	Twp. 7/ N R	ing. <u>55</u> E	W 28. 860G	39 9	4.531944
A th	JE ONT NAME)	WELL NUMBER	WELL PERMIT NUI	MBER API NUMBER (FOR	EXISTING WELL	ONLY) GROUND ELEVAT
SMITHT BRITERS PPLICATION TO DRILL THIS WELL WA	PER ED IN NAME OF	(2 / J / Z	2146 ER PRODUCED OIL OR GAS	1 095-2	1461	985
			ER PRODUCED OIL OR GAS	DRY HOLE	TOTA	AL WELL DEPTH
ABRICA PARE PARELLE	4 772 ta 97	Yes □ No		☐ Yes 🗐 No		106 FL. 7
roduction Well:		Commercial and			100 m	· · · · · · · · · · · · · · · · · · ·
		☐ Commercial gas	□ No.	n-commercial gas	☐ Coalbed	methane
njection Well:	ced oil recovery	☐ Disposal of form	nation fluids	clic steam stimulation	Other (e.	xplain in comments be
Other Well Usage: Stratign	aphic test	☐ Observation for			Other (e:	xplain in comments bo
ELL ORIENTATION (SELECT ONE) Vertical Well Well dep	th	\$09m,90	21	V-		HEAD PRESSURE
Horizontal Well Measure	d vertical depth		orizontal borehole len	nth et		44
VELL PLUGGING INFORMA				11.		PSI PSI
LUGGING METHOD					DATE PLUGGE	D
Tremie 📓 Pressure grout [Other (prior app	proval required)			4/12	
ithologic Information					1116	121
ame of each stratum/strata ontaining oil or gas	Stratum/stra open to well at time of plu	bore stratum/str		Depth interval of each stratum/strata	Size, kind a used, statir cement/gel	and depth of plugs amount of /mud
(新花花) (新成 50.1 R代A)	SQUIRE	राह्य द्या द	14.0(spir)	ベルス・ゲアス	15 500	iks boju
	☐ Yes ☐ N	. ()				496682
				The Property of the Property o	MIX	97903126
	Yes N	0				*
	☐ Yes ☐ No	0			1	
ell Construction Information		1d Sec		All Water Street, Colors		
ze Pipe Put in Well (FT.)	ulled Out (FT.)	Left in Well (FT.)	Give Depth and M Casing (Shot, Ripp		Packers and	d Shoes
, a78 505, 98		506.76	462-472	the state of the s	2012	
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ECT ONE Perforated casing Open ho	le Perforated/ope	n hole depth interva	l: from =250 FI	. to 4777 FT.	BRIDGE PLUG No Yes	e donth —
as all equipment associated with as the surface casing cut three f as the well site left, as nearly as	the well removed eet beneath the la	from the site?	S. S. S. Service			□ No □ No
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						PRIMARY PHON	E NUMBER WITH AREA COI	E
ALAN MADER						785-4	14/8-3/00	
ETHOD OF PAYMENT								
Check or Money Order (Please enclose	check, pa	yable to Depa	artment of Natu	ural Resources, wit	h submitted	form.)	AMOUNT DUE	
Credit Card (Transaction fee applies.) (P Automated Clearing House (Please attac	lease atta	ich contact inf	formation of pe	erson authorized to	make trans	action.)	\$50	
ERTIFICATION	or cornact	illomation	n person autili	mized to make train	saction.)			
the undersigned, certify that:	la la							-
am authorized to act as an agent for the ow	ner of this	s well.						
he information on this report has been revie	ewed by n	ne and is true	, correct and c	omplete to the bes	t of my knov	wledge.		
understand the submittal fee assessed to the understand that the submission of this repo				nsterable.				
ne plugging is in accordance with the Misso				d Gas Rules 10 CS	R 50.			
RINT NAME	SEL	ECT ONE			COMPANY	-		
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DR OFFICE USE ONLY ne information submitted on this report indic Conforms with 10 CSR 50-2.060 Does EVIEWED BY	cates the participations of the second confidence of the second confide	olugging of thi form with 10 C	s well. CSR 50-2.060		DATE	-23-2		

MO 780-0217 (03-18)

KCNEXT - Botts Campus 14650 Colorado Grandview, MO 64030

Inquiry Number: 7302615.4

April 12, 2023

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

04/12/23

Site Name: Client Name:

KCNEXT - Botts Campus

14650 Colorado Grandview, MO 64030 EDR Inquiry# 7302615.4 Terracon

15620 W. 113th Street Lenexa, KS 66219

Contact: Melissa Dowling



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

Search Resu	ults:	Coordinates:	
P.O.#	02237055	Latitude:	38.862054 38° 51' 43" North
Project:	KCNEXT - Botts Campus	Longitude:	-94.538364 -94° 32' 18" West
,	·	UTM Zone:	Zone 15 North
		UTM X Meters:	366528.65
		UTM Y Meters:	4302593.17

Elevation: 973.85' above sea level

Maps Provided:

2017 1887 2015 1995 1975 1970 1953, 1957 1934 1893

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Topo Sheet Key

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

2017 Source Sheets



Belton 2017 7.5-minute, 24000



Grandview 2017 7.5-minute, 24000

2015 Source Sheets



Belton 2015 7.5-minute, 24000



Grandview 2015 7.5-minute, 24000

1995 Source Sheets



Grandview 1995 7.5-minute, 24000 Aerial Photo Revised 1991



Belton 1995 7.5-minute, 24000 Aerial Photo Revised 1991

1975 Source Sheets



Grandview 1975 7.5-minute, 24000 Aerial Photo Revised 1975



Belton 1975 7.5-minute, 24000 Aerial Photo Revised 1975

Topo Sheet Key

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

1970 Source Sheets



Grandview 1970 7.5-minute, 24000 Aerial Photo Revised 1970



Belton 1970 7.5-minute, 24000 Aerial Photo Revised 1970

1953, 1957 Source Sheets

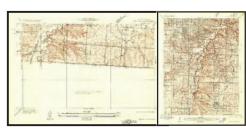


Belton 1953 7.5-minute, 24000 Aerial Photo Revised 1948



Grandview 1957 7.5-minute, 24000 Aerial Photo Revised 1955

1934 Source Sheets



Belton 1934 7.5-minute, 24000

Grandview 1934 7.5-minute, 24000

1893 Source Sheets



Olathe 1893 30-minute, 125000

Topo Sheet Key

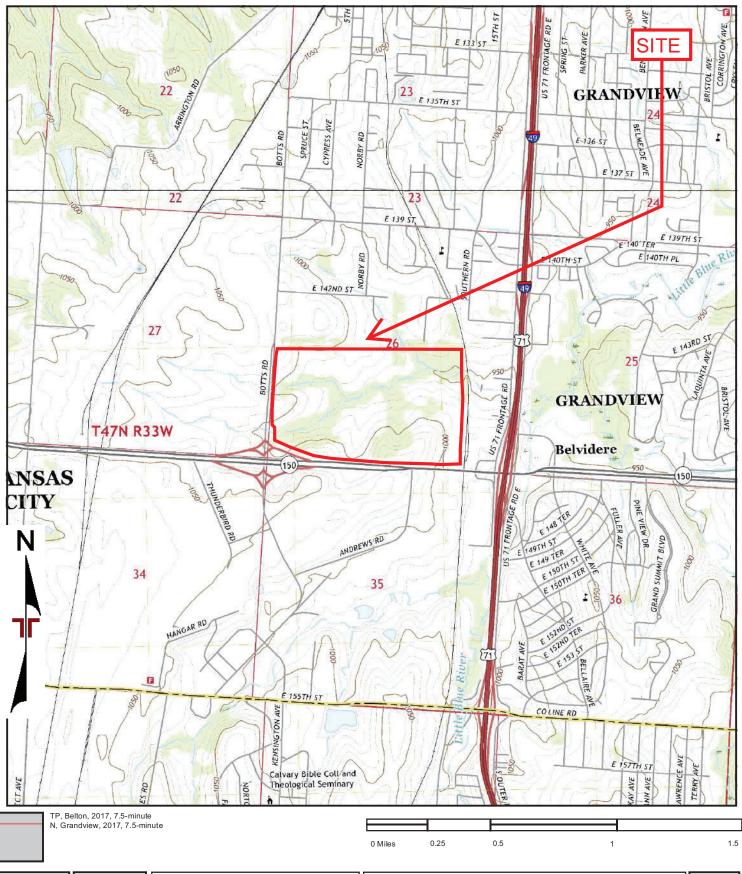
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1887 Source Sheets



Olathe 1887 30-minute, 125000





Project Manager:	Project No. KCNEXT - Botts
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 2017

15620 W. 113th Street
Lenexa, KS 66219

2017 TOPOGRAPHIC MAP

KCNEXT - Botts Campus

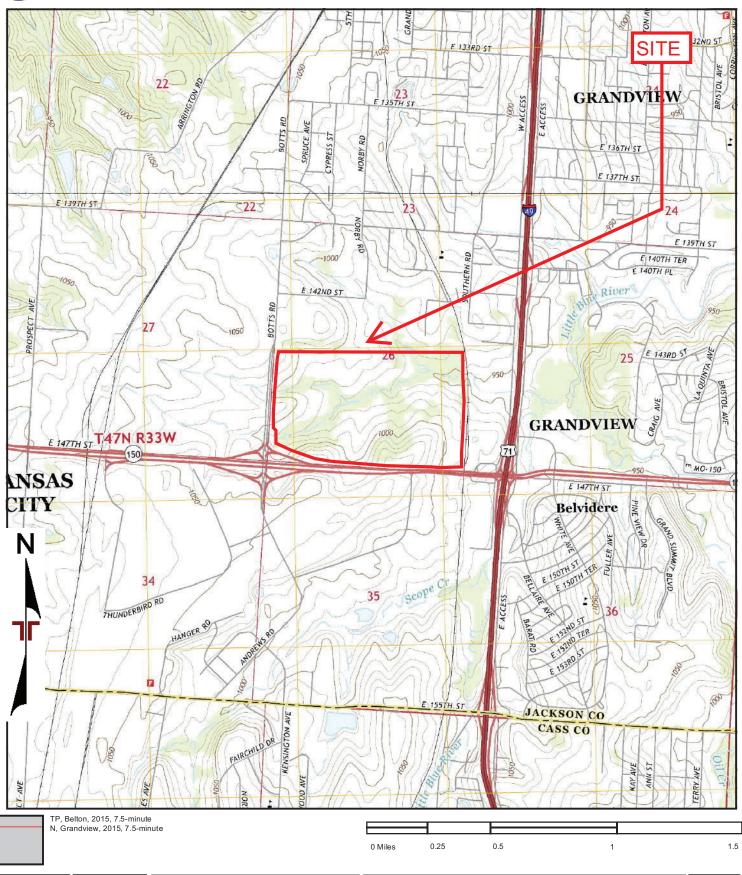
14650 Colorado

Grandview, MO 64030

Appendix

C





Project Manager:	Project No. KCNEXT - Botts
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 2015

15620 W. 113th Street
Lenexa, KS 66219

2015 TOPOGRAPHIC MAP

KCNEXT - Botts Campus

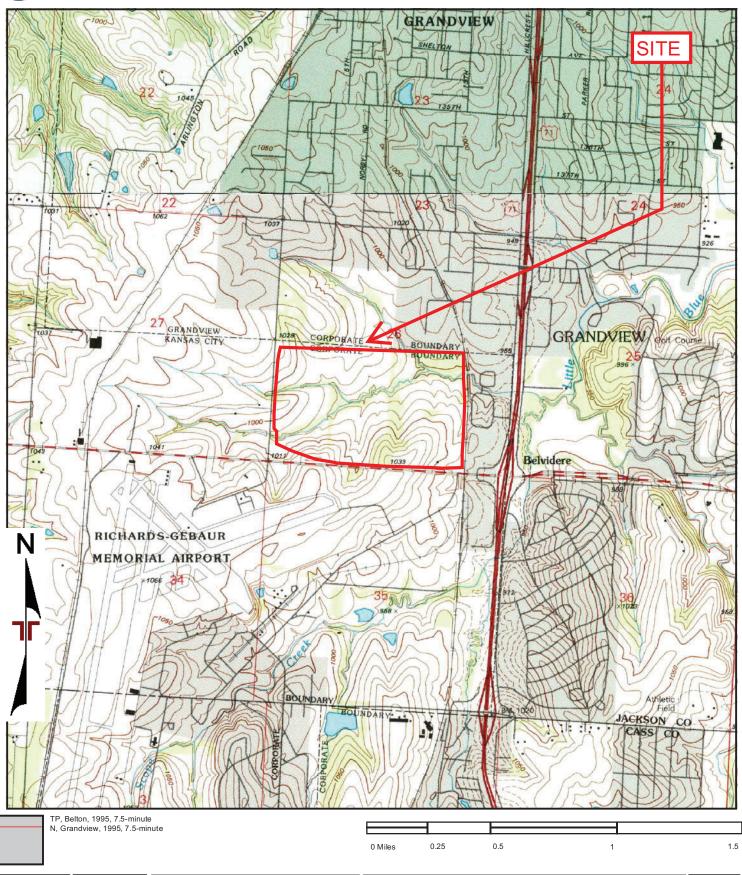
14650 Colorado

Grandview, MO 64030

Appendix

C





Project Manager:	Project No. KCNEXT - Botts
Drawn by:	Scale: As Shown
Checked by:	File Name:
Approved by:	Date: 1995



1995 TOPOGRAPHIC MAP

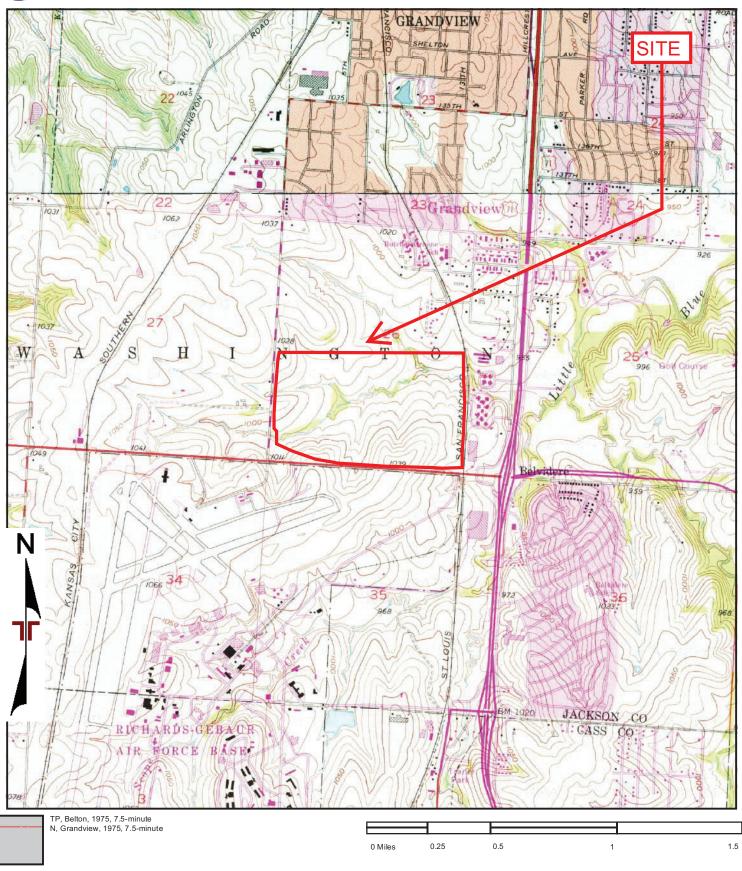
KCNEXT - Botts Campus

14650 Colorado

Grandview, MO 64030

Appendix





Project Manager:

Drawn by:
Checked by:

Approved by:

Project No.
KCNEXT - Botts
Scale:
As Shown
File Name:

Date:
1975



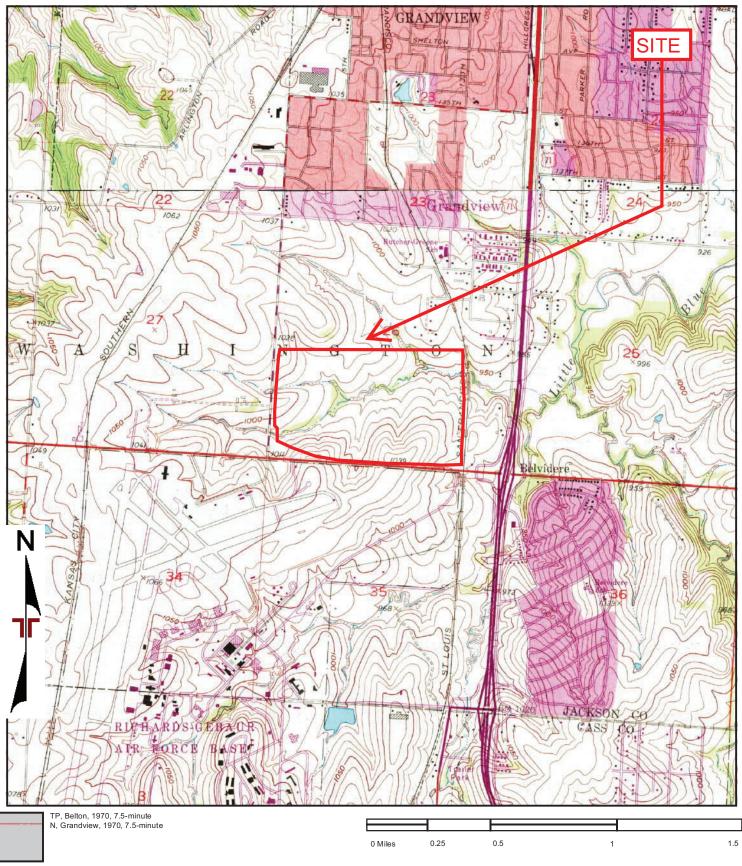
Lenexa, KS 66219

1975 TOPOGRAPHIC MAP
KCNEXT - Botts Campus
14650 Colorado
Grandview, MO 64030

Appendix

C





Project Manager:	Project No.
	KCNEXT - Botts
Drawn by:	Scale:
	As Shown
Checked by:	File Name:
Approved by:	Date:
	1970

ierracon
15620 W. 113th Street

Lenexa, KS 66219

1970 TOPOGRAPHIC MAP

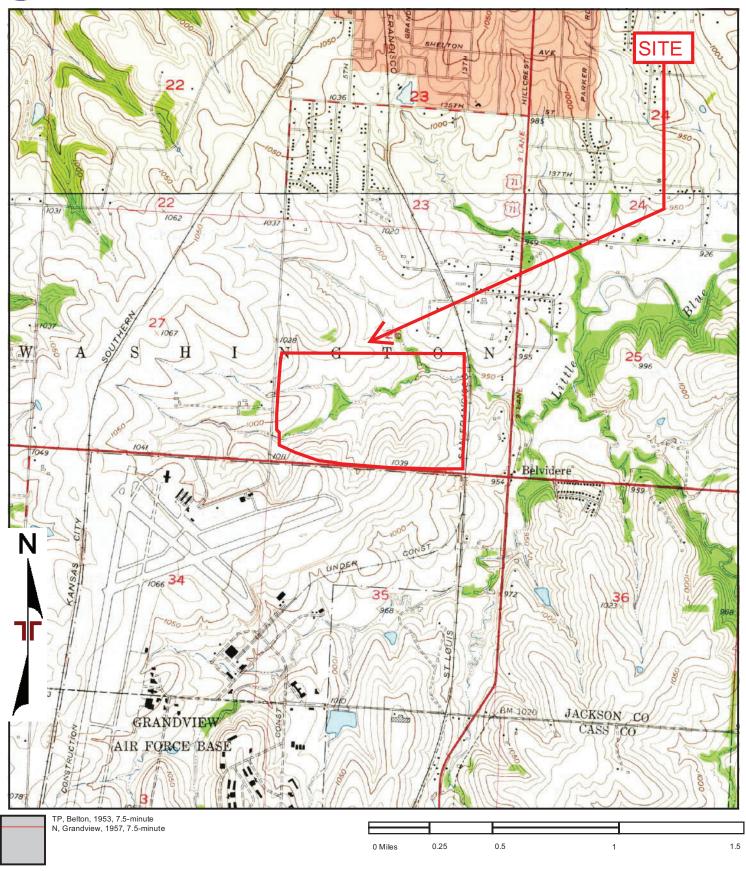
KCNEXT - Botts Campus

14650 Colorado

Grandview, MO 64030

Appendix





Project Manager:	Project No.
	KCNEXT - Botts
Drawn by:	Scale:
	As Shown
Checked by:	File Name:
Approved by:	Date: 1953, 1957



1953, 1957 TOPOGRAPHIC MAP

KCNEXT - Botts Campus

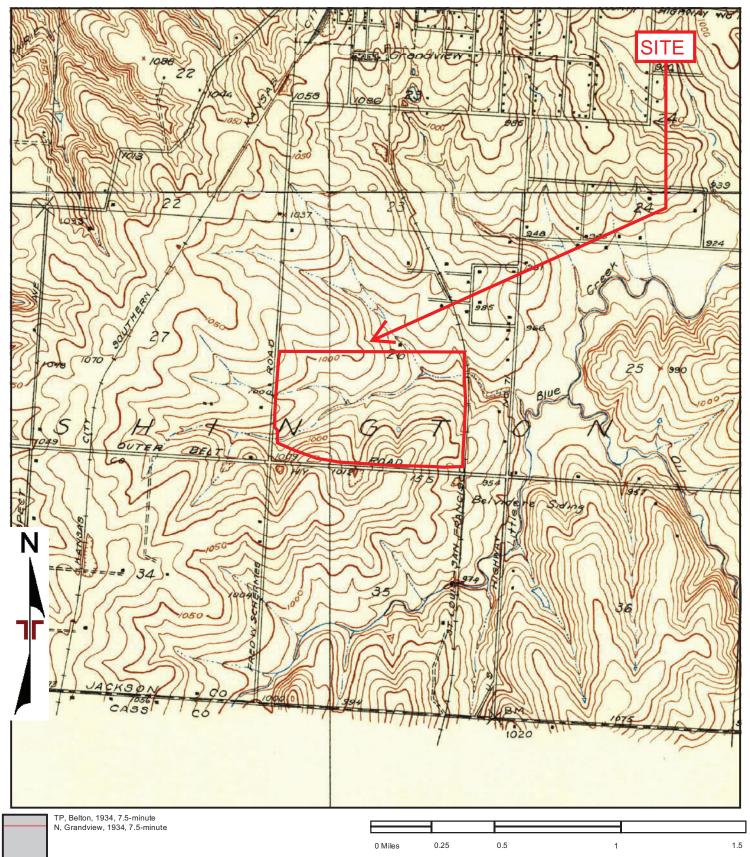
14650 Colorado

Grandview, MO 64030

Appendix

C





Project Manager:

Drawn by:

Checked by:

Approved by:

Project No.

KCNEXT - Botts

Scale:

As Shown

File Name:

Date:



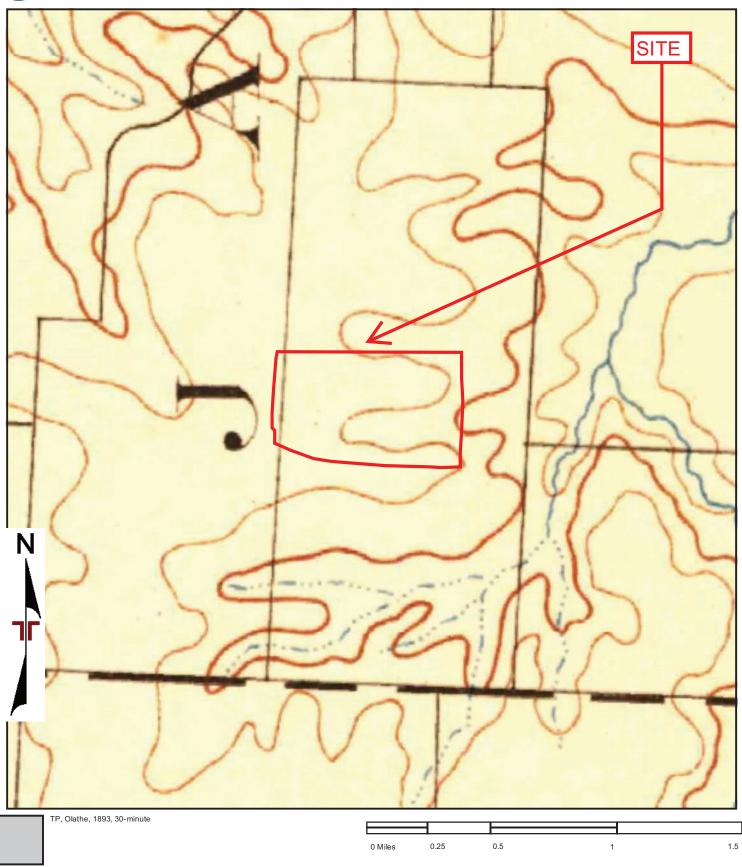
1934 TOPOGRAPHIC MAP

KCNEXT - Botts Campus
14650 Colorado
Grandview, MO 64030

Appendix

C





Project Manager:	Project No.
	KCNEXT - Botts
Drawn by:	Scale:
	As Shown
Checked by:	File Name:
Approved by:	Date:
	1893

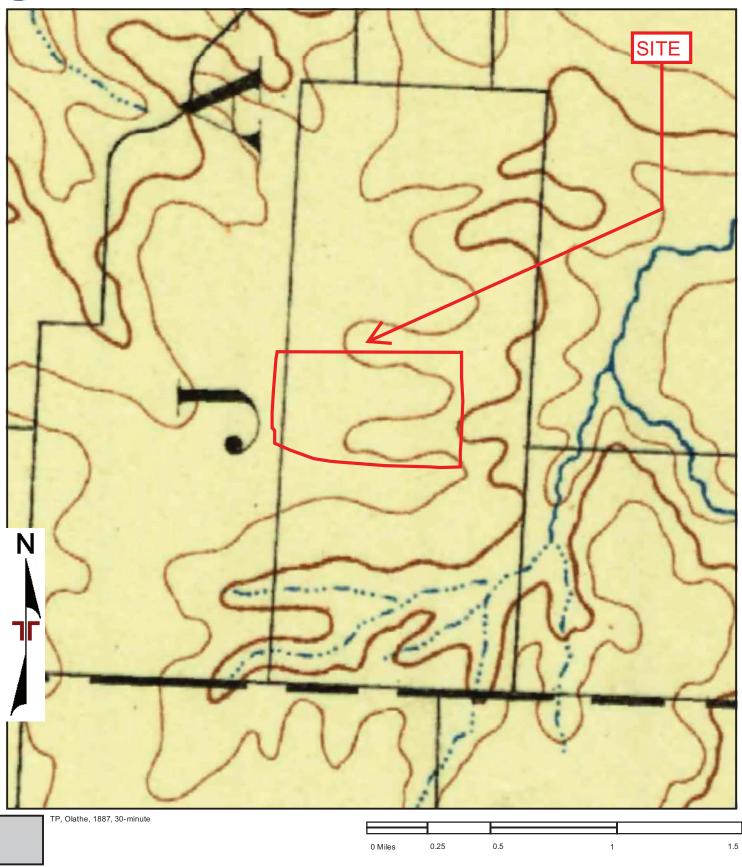


1893 TOPOGRAPHIC MAP
KCNEXT - Botts Campus
14650 Colorado
Grandview, MO 64030

С

Appendix





Project Manager:	Project No.
	KCNEXT - Botts
Drawn by:	Scale:
	As Shown
Checked by:	File Name:
Approved by:	Date:
	1887



Lenexa, KS 66219

1887 TOPOGRAPHIC MAP

KCNEXT - Botts Campus
14650 Colorado

Grandview, MO 64030

С

Appendix

KCNEXT - Botts Campus

14650 Colorado Grandview, MO 64030

Inquiry Number: 7302615.8

April 10, 2023

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

04/10/23

Site Name: Client Name:

KCNEXT - Botts Campus

14650 Colorado 15620 W. 113th Street
Grandview, MO 64030 Lenexa, KS 66219
EDR Inquiry # 7302615.8 Contact: Melissa Dowling



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

Terracon

Search Results:

Year	Scale	Details	Source
2020	1"=625'	Flight Year: 2020	USDA/NAIP
2016	1"=625'	Flight Year: 2016	USDA/NAIP
2012	1"=625'	Flight Year: 2012	USDA/NAIP
2009	1"=625'	Flight Year: 2009	USDA/NAIP
2006	1"=625'	Flight Year: 2006	USDA/NAIP
1997	1"=625'	Acquisition Date: January 01, 1997	USGS/DOQQ
1990	1"=625'	Acquisition Date: February 07, 1990	USGS/DOQQ
1985	1"=625'	Flight Date: June 28, 1985	NHAP
1981	1"=625'	Flight Date: November 11, 1981	NHAP
1979	1"=625'	Flight Date: August 07, 1979	USDA
1970	1"=625'	Flight Date: October 02, 1970	USGS
1969	1"=625'	Flight Date: September 30, 1969	USDA
1957	1"=625'	Flight Date: June 10, 1957	USDA
1952	1"=625'	Flight Date: October 23, 1952	USDA
1948	1"=625'	Flight Date: September 11, 1948	USGS
1940	1"=625'	Flight Date: September 25, 1940	USDA
1936	1"=625'	Flight Date: August 21, 1936	USDA

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Project Manager:

Project No:
KCNEXT - Botts

Scale:
As Shown

Checked By:

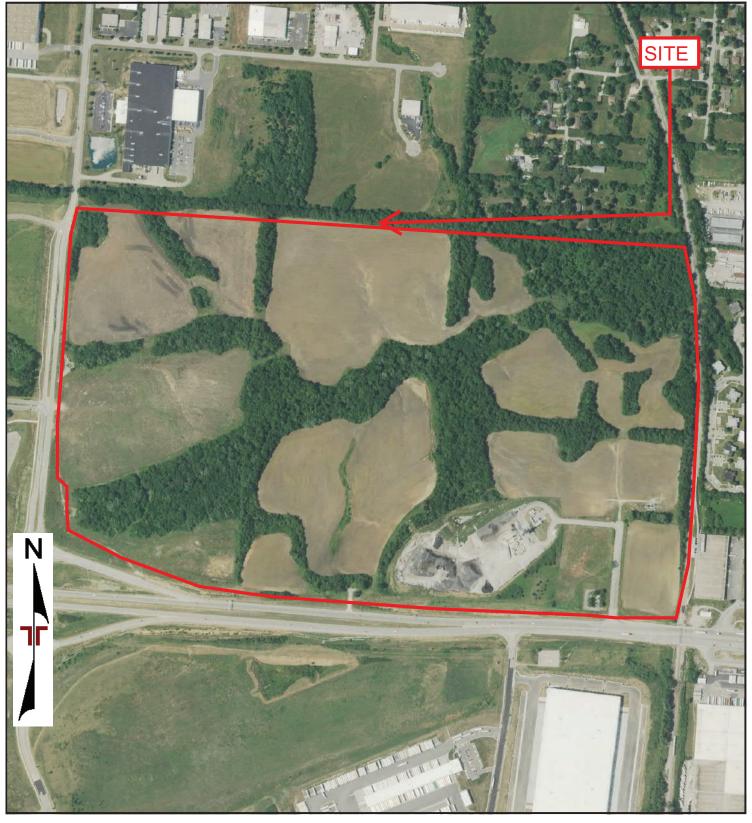
Approved By:

Date:
2020



2020 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	





Project Manager:

Project No:
KCNEXT - Botts
Scale:
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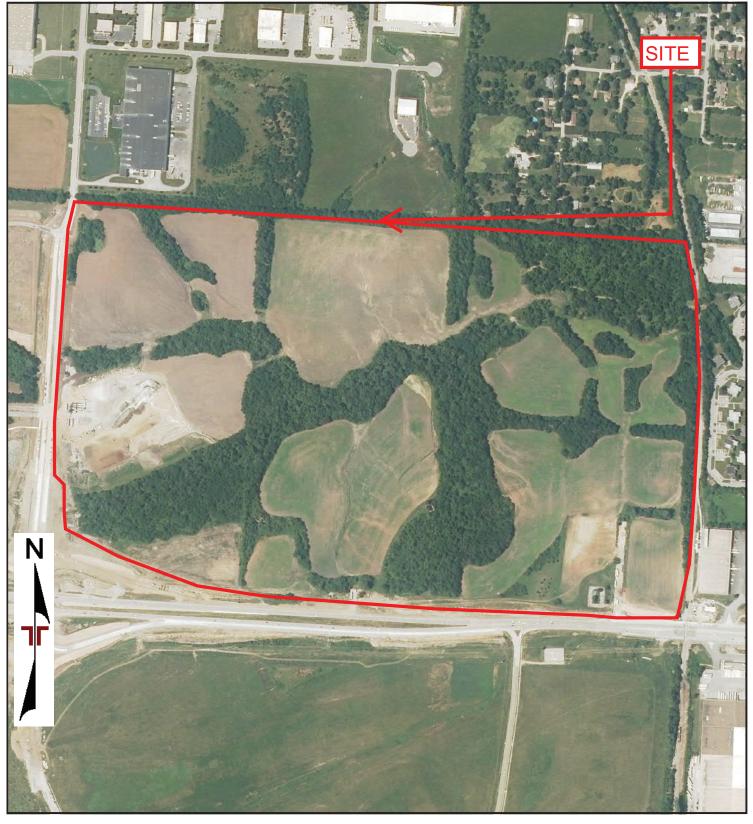
Approved By:

Date:
2016



2016 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	С
Grandview, MO 64030	





Project Manager:

Project No:
KCNEXT - Botts

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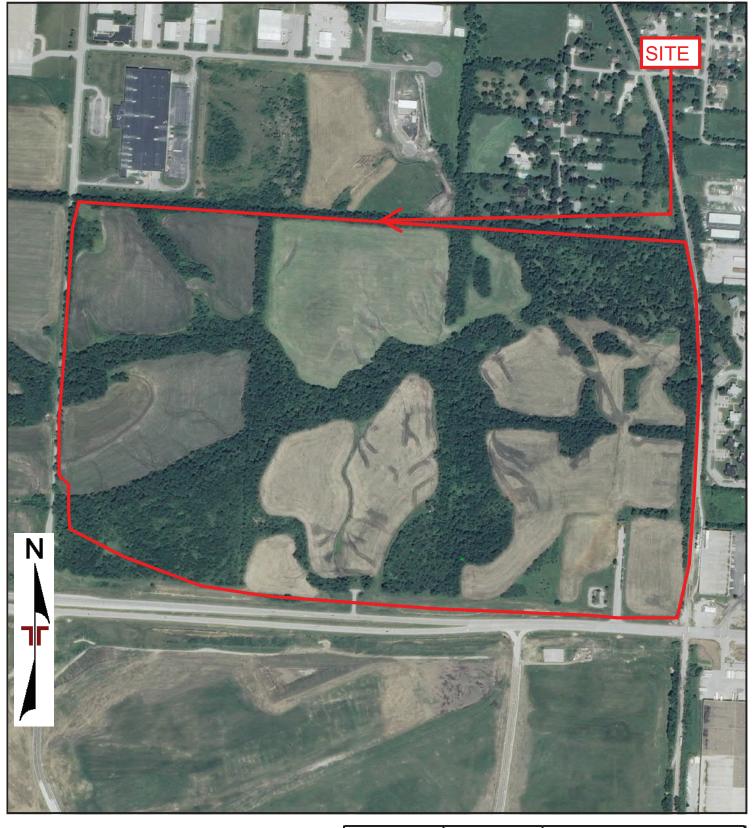
Approved By:

Date:
2012



2012 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	





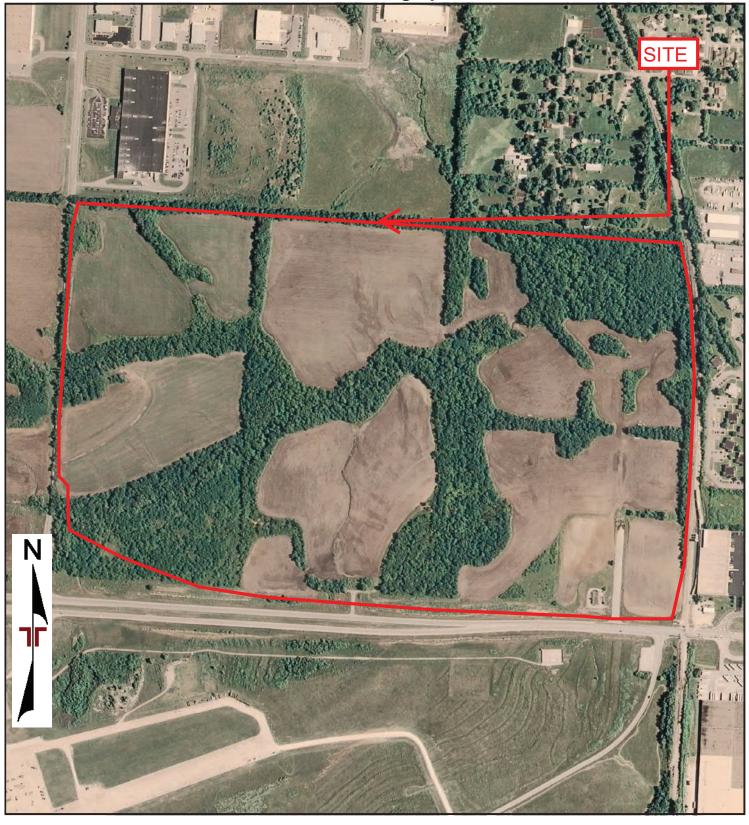
Project No:
KCNEXT - Botts
Drawn By:
Checked By:
File Name:

Approved By:
Date:
2009



2009 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	



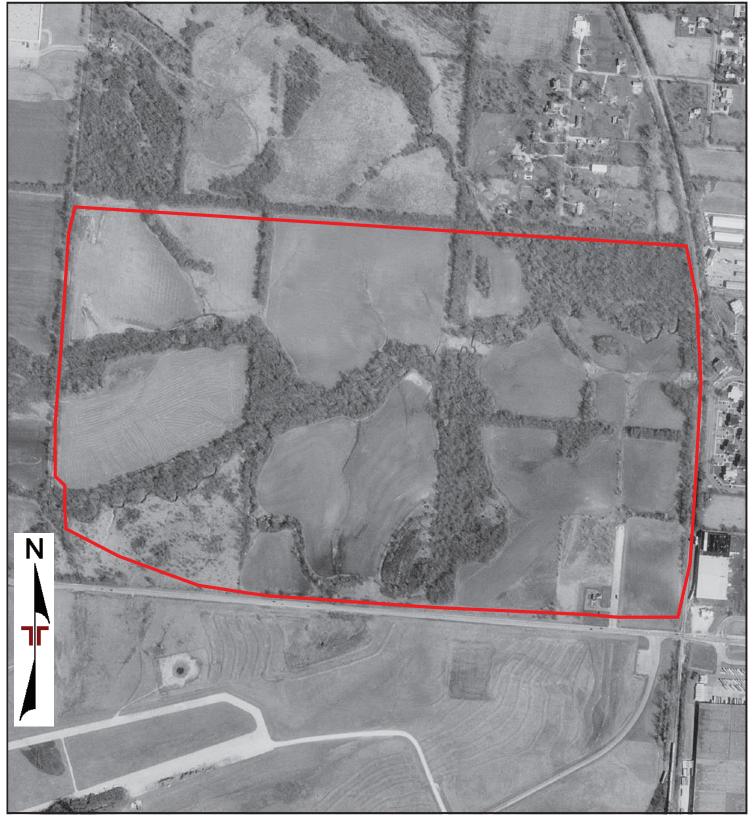


Project Manager:
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Checked By:
Approved By:
Project No:
KCNEXT - Botts
Scale:
As Shown
File Name:
Date:



2006 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	





Project Manager:

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Checked By:

Approved By:

Project No:
KCNEXT - Botts
Scale:
As Shown
File Name:

Date:
1997



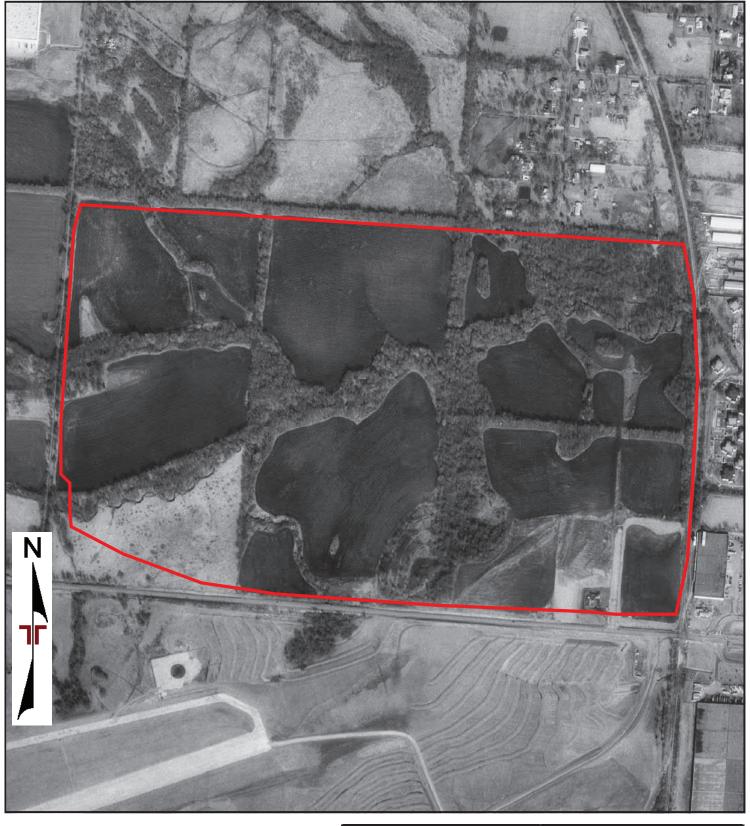
1997 AERIAL PHOTOGRAPH

KCNEXT - Botts Campus
14650 Colorado
Grandview, MO 64030

Appendix

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Project Manager:
Drawn By:
Checked By:
Approved By:
Project No:
KCNEXT - Botts
Scale:
As Shown
File Name:
Date:



1990 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	
Grandview, MO 64030	
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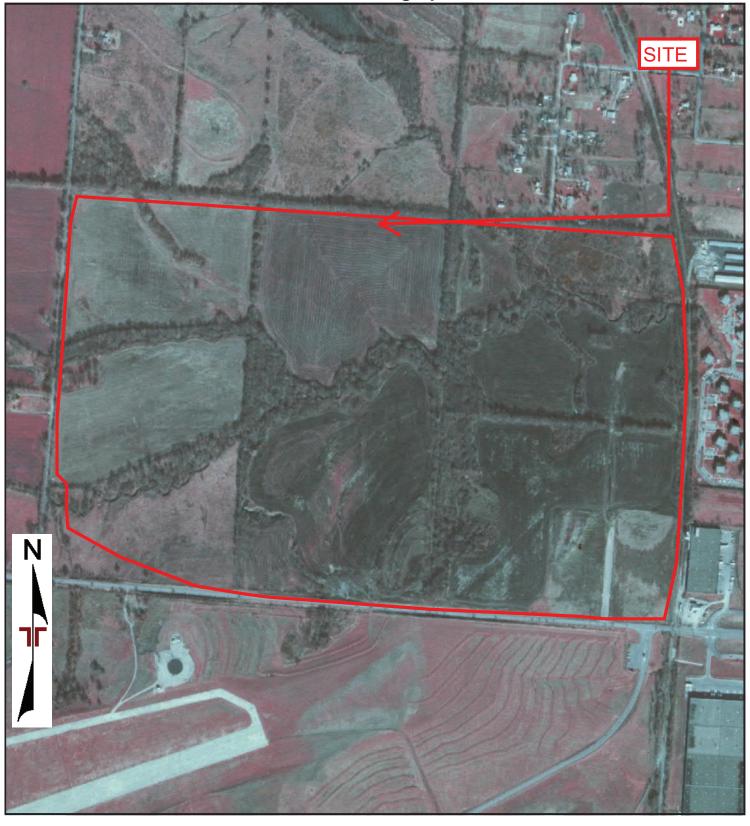


Project Manager:	Project No:
	KCNEXT - Botts
Drawn By:	Scale:
	As Shown
Checked By:	File Name:
Approved By:	Date:
	1985



1985 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	



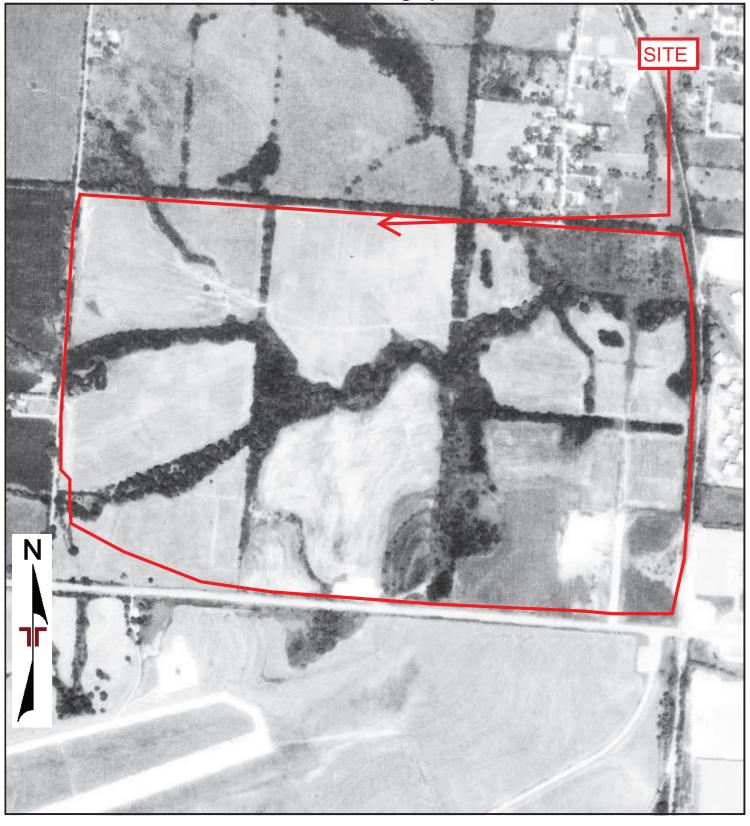


Project Manager:	Project No:
	KCNEXT - Botts
Drawn By:	Scale:
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Checked By:	File Name:
Approved By:	Date:
	1981



1981 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	l c l
Grandview, MO 64030	
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Project No:
KCNEXT - Botts
Drawn By:
Checked By:

Approved By:

Project No:
KCNEXT - Botts
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As Shown
File Name:
Date:
1979



1979 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	



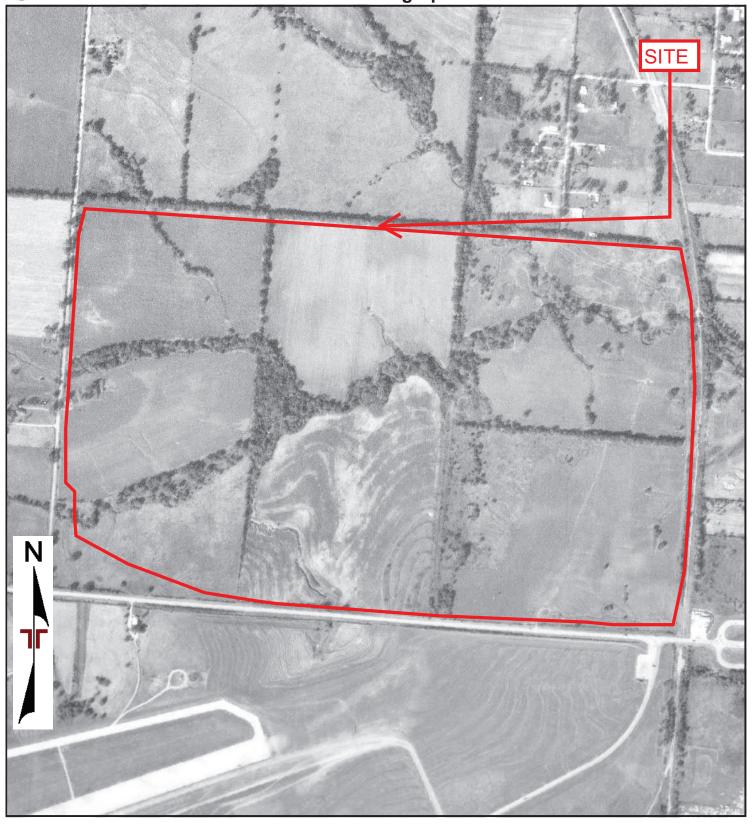


Project Manager:	Project No:
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Drawn By:	Scale:
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Checked By:	File Name:
Approved By:	Date:
	1970



1970 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	





Project Manager:	Project No:
' '	KCNEXT - Botts
Drawn By:	Scale:
	As Shown
Checked By:	File Name:
Approved By:	Date:
	1969



1969 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	



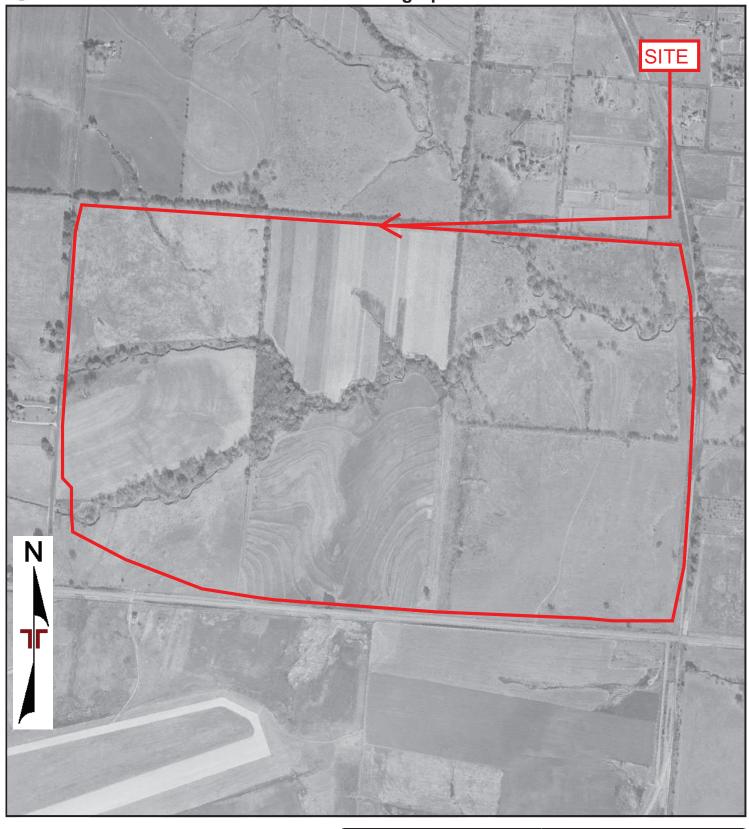


Project Manager:	Project No:
	KCNEXT - Botts
Drawn By:	Scale:
	As Shown
Checked By:	File Name:
Approved By:	Date:
	1957



1957 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	С
Grandview, MO 64030	



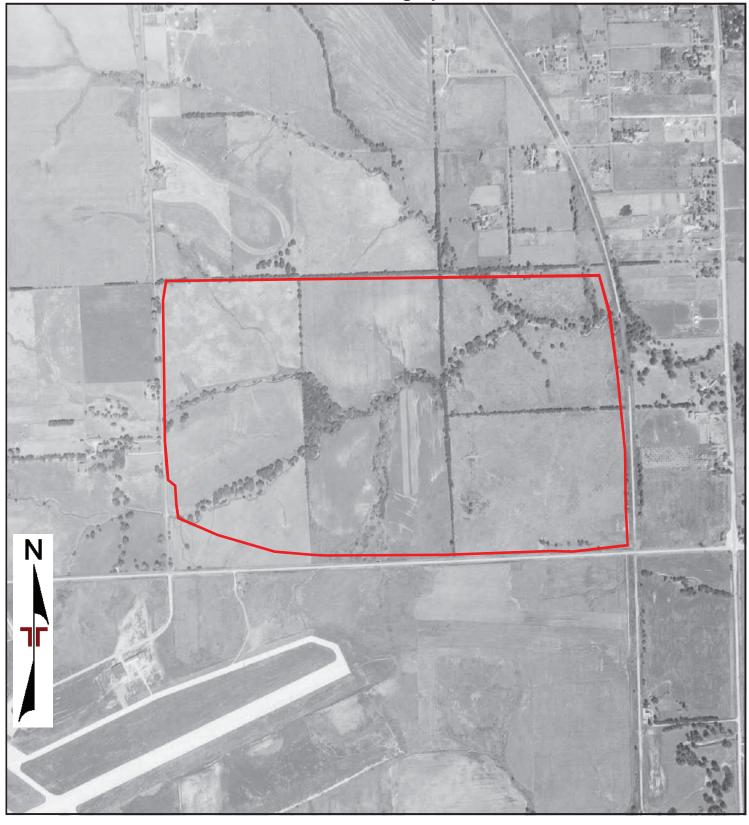


Project No:
KCNEXT - Botts
Scale:
As Shown
File Name:
Date:
1952



1952 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	l c l
Grandview, MO 64030	
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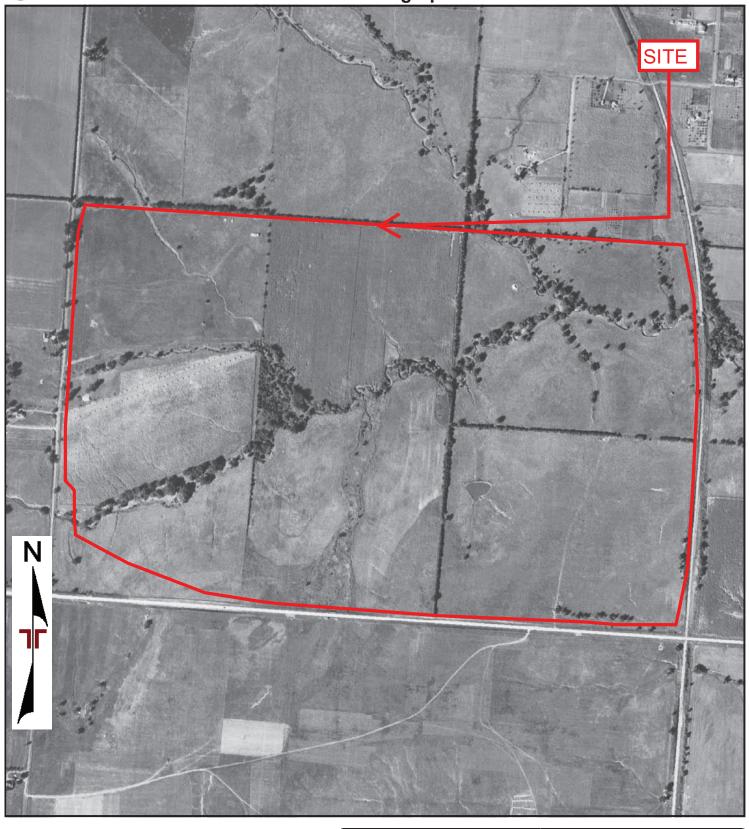


Project Manager:	Project No:
	KCNEXT - Botts
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Checked By:	File Name:
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дрргочей бу.	1948



1948 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	C
Grandview, MO 64030	

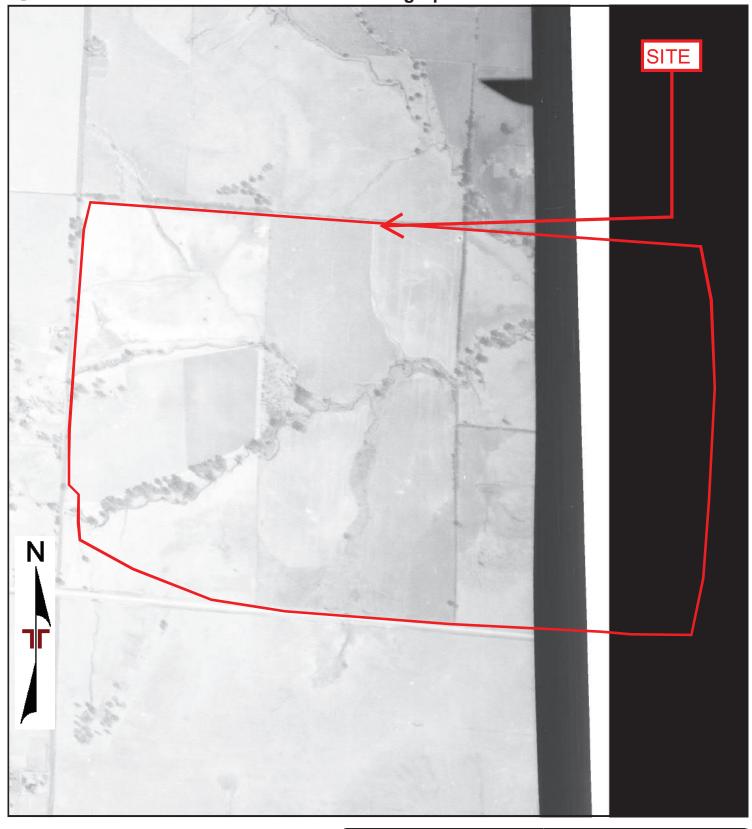




Project Manager:	Project No:
	KCNEXT - Botts
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Checked By:	File Name:
Approved By:	Date:
'' '	1940



1940 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	l c l
Grandview, MO 64030	
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Project Manager:	Project No:
	KCNEXT - Botts
Drawn By:	Scale:
	As Shown
Checked By:	File Name:
Approved By:	Date:
	1936



1936 AERIAL PHOTOGRAPH	Appendix
KCNEXT - Botts Campus	
14650 Colorado	l c l
Grandview, MO 64030	
	1

KCNEXT - Botts Campus 14650 Colorado Grandview, MO 64030

Inquiry Number: 7302615.3

April 07, 2023

Certified Sanborn® Map Report



Certified Sanborn® Map Report

04/07/23

Site Name: Client Name:

KCNEXT - Botts Campus Terracon

 14650 Colorado
 15620 W. 113th Street

 Grandview, MO 64030
 Lenexa, KS 66219

EDR Inquiry # 7302615.3 Contact: Melissa Dowling



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Certified Sanborn Results:

Certification # DD00-43A9-B34A

PO # 02237055

Project KCNEXT - Botts Campus

UNMAPPED PROPERTY

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