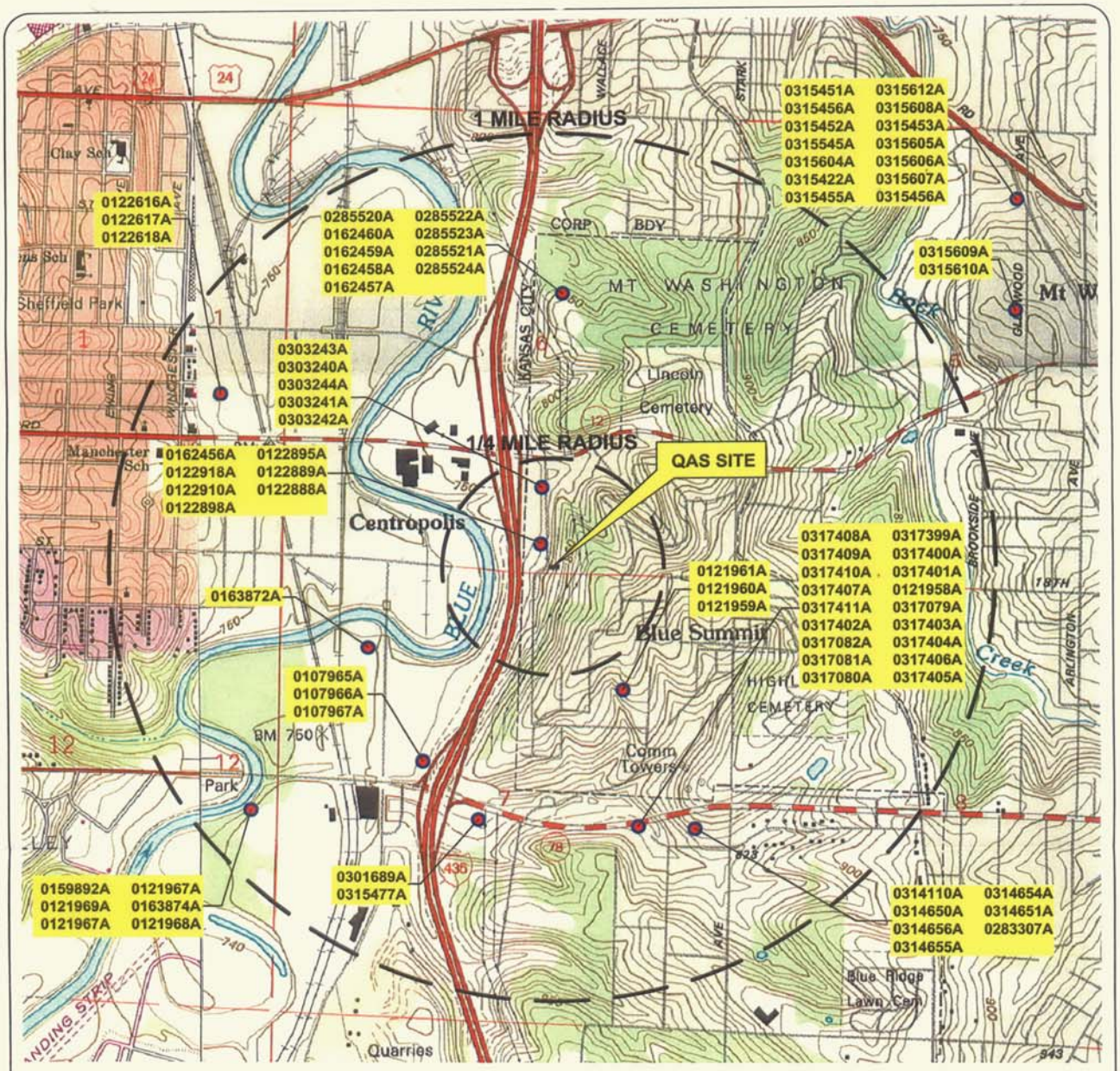
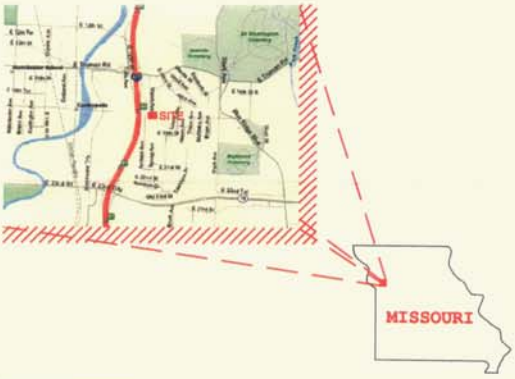


Taken from the

INDEPENDENCE, MO
and
KANSAS CITY, MO - KANS.

7.5 Series U.S.G.S. Topographic Quadrangle
39094-A4-TF-024
1990
DMA 7162 III SW - SERIES V879

N



LEGEND

- MONITORING WELLS
- DRINKING WATER WELLS (NONE WITHIN SITE AREA)

APPROXIMATE SCALE IN FEET

1000 0 1000 2000 3000 4000 5000 Feet

WATER WELL SEARCH MAP

4400 COLLEGE BLVD., SUITE 350
OVERLAND PARK, KANSAS 66211
(913) 451-1224
Shaw
SHAW Environmental, Inc.

REV. NO.	0	DRAWING DATE:	11/02/05
DESIGNED BY:	PD	ACAD FILE:	
DRAWN BY:	TLR	PROJECT NO.	843876
CLIENT:	DEFFENBAUGH INDUSTRIES,INC.		
LOCATION:	BLUE SUMMIT, MISSOURI		
FIGURE:	3		

Shaw Environmental, Inc.

4400 College Blvd, Suite 350
Overland Park, KS 66211-2326
913.451.1224
Fax: 913.451.2005

Shaw® Shaw Environmental, Inc.

August 15, 2005

Sharon Beistel
Missouri Department of Natural Resources
Water Section
P.O. Box 176
Jefferson City, MO 65102-0176

RE: Well Use Search Data in Support of the Quality Analytical Services (QAS) Site Kansas City, Missouri Human Health and Environment Risk Assessment

Dear Ms. Beistel:

Shaw E&I has been retained by Deffenbaugh Industries to perform a Human Health Risk Assessment and Environmental Assessment of the Quality Analytical Services site in Kansas City, MO. We have been working with Darlene Groner of MDNR on completing this evaluation. In support of planned HHRA activities we are required to perform a well use search within prescribed distances from the site. These distances are a 1-mile radius search for public water supply wells and a ¼ mile search radius for private wells from the QAS site. The location of the site is described as:

Quality Analytical Services

1633 Marsh Ave

Blue Summit, MO 64126

Latitude 39.09163 Longitude 94.48698

The site is located in the USGS 1:24,000 Independence, MO Quadrangle.

I f you have any questions please contact me at 913-317-2631.

Sincerely,

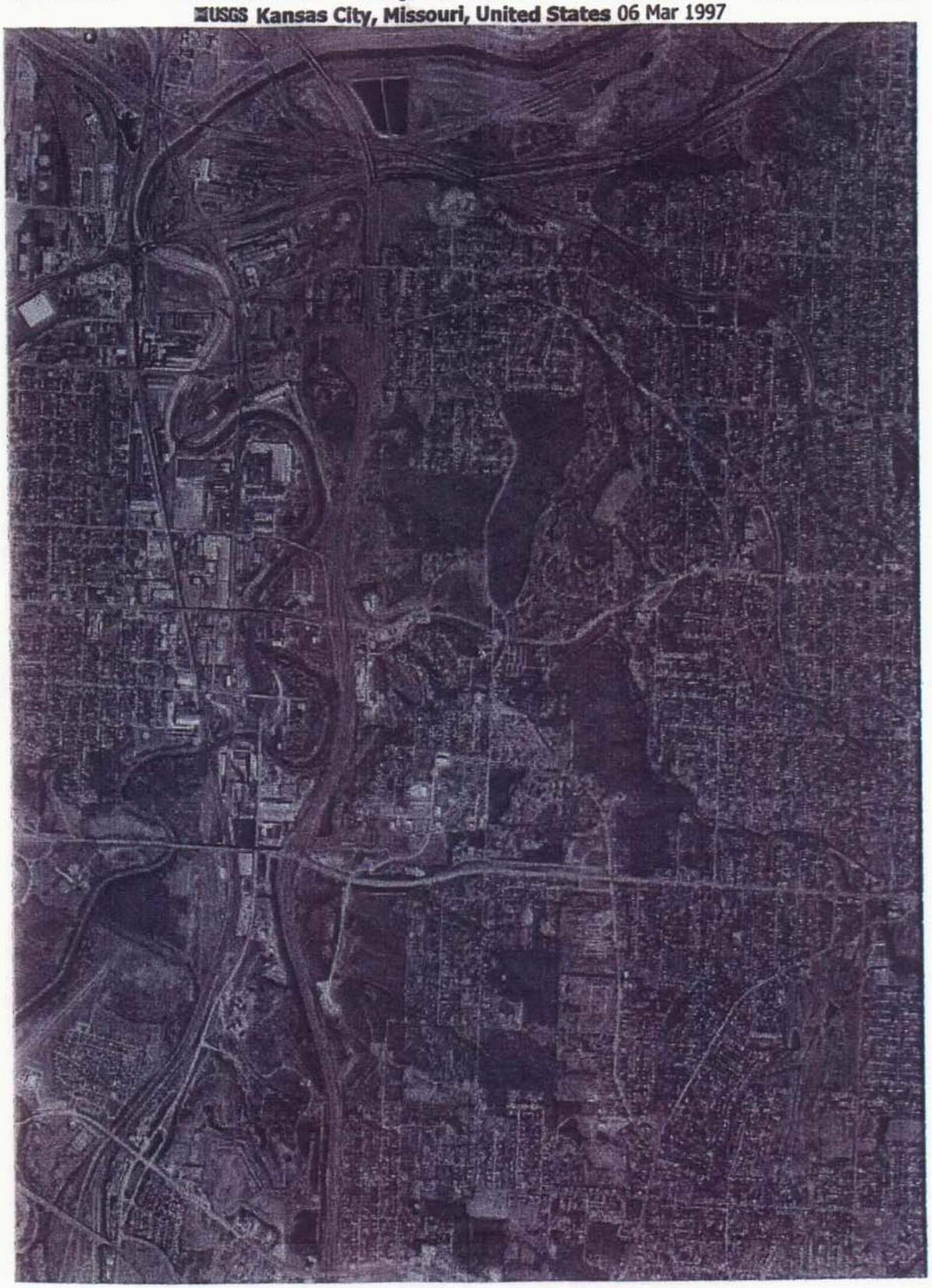
Philip Dula, PG, CHMM

Senior Project Manager

Shaw E&I

Send To Printer Back To TerraServer Change to 11x17 Print Size Show Grid Lines Change to Landscape

USGS **Kansas City, Missouri, United States** 06 Mar 1997



0 1Km 0 .5Mi

Image courtesy of the U.S. Geological Survey

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Missouri Department of
NATURAL RESOURCES

FAX Transmittal Cover Sheet

DATE: August 17, 2005

TO: PHILIP DULA

CO.: SHAW ENV
DEPT:

PHONE: (913) 451-1224

FAX #: (913) 317-2660

FROM: Sharon Beistel
Wellhead Protection Section
Geological Survey and Resource Assessment Division
Missouri Department of Natural Resources
P.O. Box 250, Rolla, MO 65402
sharon.beistel@dnr.mo.gov

RECYCLED PAPER

PHONE: 573-368-2168

FAX: 573-368-2317

RE: Water Well Search Request

COMMENTS:
WELL SEARCH FOR 39.09163N 94.48698W OR T49N R32W SEC 06 – 1 MILE RADIUS
ONLY MONITORING WELLS FOUND

Total number of pages sent was 9 (including this cover sheet). If not all pages are received, or if problems are experienced, please call: Sharon @ **573/ 368-2168**

MO 780-1430 (10-93)

REFNUM	TYPE	SITEADDRES	BUSINESS N
0315453A	M		INDEPENDENCE GAS &
0315605A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315606A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315607A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315608A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315609A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315610A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315612A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315455A	m		INDEPENDENT GAS &
0315422A	M		INDEPENDENT GAS &
0315604A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315454A	M		INDEPENDENCE GAS &
0315452A	M		INDEPENDENCE GAS &
0315451A	M		INDEPENDENCE GAS &
0315456A	M		INDEPENDENT GAS &
0285524A	M	940 W 8TH KC	PLANNED INDUSTRIAL
0122888A	M	1633 S MARSH,BLUE SUMMIT	INDUSTRIAL SERVICE
0122889A	M	1633 S MARSH, BLUE SUMMIT	INDUSTRIAL SERVICE
0122895A	M	KANSAS CITY	DEFFENBAUGH INDUS
0122898A	M	KANSAS CITY	DEFFENBAUGH INDUS
0122910A	M	KANSAS CITY	DEFFENBAUGH INDUS
0122918A	M	KANSAS CITY	DEFFENBAUGH INDUS
0162456A	M		
0303243A	M	8301 TRUMAN RD	CAMPBELL OIL CO
0303240A	M	8301 TRUMAN RD	CAMPBELL OIL CO
0285521A	M	940 W 8TH KC	PLANNED INDUSTRIAL
0285523A	M	940 W 8TH KC	PLANNED INDUST EXP
0285522A	M	940 W 8TH KC	PLANNED INDUSTRIAL
0162457A	M		
0162458A	M		
0162459A	M		
0162460A	M		
0303244A	M	8301 TRUMAN RD	CAMPBELL OIL CO

(b) (6)

CITY	USE	TOTAL DPTH	Q 1	Q 2	Q 3	SEC	TWN	RNG	ELEV
INDEPENDENCE	M	20.3	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	20	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	25	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	16	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	20	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	20	NW	NW	SE	5	49	32	775
INDEPENDENCE	M	20	NW	NW	SE	5	49	32	775
INDEPENDENCE	M	16	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	16.3	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	16.3	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	20	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	20.3	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	20.3	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	18.3	NW	NW	NE	5	49	32	775
INDEPENDENCE	M	16.3	NW	NW	NE	5	49	32	775
KANSAS CITY	M	40	SW	NW	NE	6	49	32	
SHAWNEE	M	15	SW	SW	SE	6	49	32	764
SHAWNEE	M	73	SW	SW	SE	6	49	32	764
SHAWNEE	M	24	SW	SW	SE	6	49	32	0
SHAWNEE	M	20	SW	SW	SE	6	49	32	0
SHAWNEE	M	76	SW	SW	SE	6	49	32	0
SHAWNEE	M	77	SW	SW	SE	6	49	32	0
INDEPENDENCE	M	19				6	49	32	0
KANSAS CITY	M	20.5	NW	SW	SE	6	49	32	775
KANSAS CITY	M	20.5	NW	SW	SE	6	49	32	775
KANSAS CITY	M	45	SW	NW	NE	6	49	32	
KANSAS CITY	M	45	SW	NW	NE	6	49	32	
KANSAS CITY	M	45	SW	NW	NE	6	49	32	
INDEPENDENCE	M	14				6	49	32	0
INDEPENDENCE	M	24				6	49	32	0
INDEPENDENCE	M	19				6	49	32	0
INDEPENDENCE	M	10				6	49	32	0
KANSAS CITY	M	20.5	NW	SW	SE	6	49	32	775

RERNUM	TYPE	SITEADDRESS	BUSINESS N
0285520A	M	940 W 8TH KC	PLANNED INDUST EXP
0303241A	M	8301 TRUMAN RD	CAMPBELL OIL CO
0303242A	M	8301 TRUMAN RD	CAMPBELL OIL CO
0121959A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC
0107965A	M	2201 MANCHESTER,KANSAS CI	LIBBY CORPORATION
0107966A	M	2201 MANCHESTER,KANSAS CI	LIBBY CORPORATION
0107967A	M	2201 MANCHESTER, KANSAS C	LIBBY CORPORATION
0317406A	M	700 SOUTH WEST BLVD	QUINN & QUINN
0317405A	M	700 SW BLVD	QUINN & QUINN
0317404A	M	700 SW BLVD	QUINN & QUINN
0317403A	M	700 SW BLVD	QUINN & QUINN
0317079A	M	700 SW BLVD KC	QUINN & QUINN
0121958A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC
0163872A	M		HAVENS STEEL CO
0121960A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC
0121961A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC
0317401A	M	700 SW BLVD	QUINN & QUINN
0317400A	M	700 SW BLVD	QUINN & QUINN
0317399A	M	700 SW BLVD	QUINN & QUINN
0317080A	M	700 SW BLVD KC	QUINN & QUINN
0317081A	M	700 SW BLVD KC	QUINN & QUINN
0317082A	M	700 SW BLVD KC	QUINN & QUINN
0317402A	M	700 SW BLVD	QUINN & QUINN
0317411A	M	700 SOUTHWEST BLVF	QUINN & QUINN
0314656A	M	8301 TRUMAN RD KC MO	
0314655A	M	8301 TRUMAN RD KC MO	
0314654A	M	8301 TRUMAN RD KC MO	
0314651A	M	8301 TRUMAN RD KC MO	
0314650A	M	8301 TRUMAN RD KC MO	
0314110A	M	8301 TRUMAN RD KC MO	
0317410A	M	700 SOUTHWEST BLVF	QUINN & QUINN
0317409A	M	700 SOUTHWEST BLVF	QUINN & QUINN
0283307A	M	8301 TRUMAN RD	

(b) (6)

[redacted]

CITY	USE	TOTAL DPTH	Q 1	Q 2	Q 3	SEC	TWN	RNG	ELEV
KANSAS CITY	M	44	SW	NW	NE	6	49	32	
KANSAS CITY	M	20.5	NW	SW	SE	6	49	32	775
KANSAS CITY	M	20.5	NW	SW	SE	6	49	32	775
OKLAHOMA CITY	M	42				7	49	32	754
KANSAS CITY	M	15	SW	SE	NW	7	49	32	0
KANSAS CITY	M	18	SW	SE	NW	7	49	32	0
KANSAS CITY	M	20	SW	SE	NW	7	49	32	0
KANSAS CITY	M	18.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	20.2	NW	NE	SE	7	49	32	225
KANSAS CITY	M	16.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	20.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	25.3	NW	NE	SE	7	49	32	220
OKLAHOMA CITY	M	59				7	49	32	751
KANSAS CITY	M	18		NW	NW	7	49	32	0
OKLAHOMA CITY	M	66				7	49	32	754
OKLAHOMA CITY	M	39				7	49	32	751
KANSAS CITY	M	20.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	25.2	NW	NE	SE	7	49	32	225
KANSAS CITY	M	20.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	22.6	NW	NE	SE	7	49	32	220
KANSAS CITY	M	25.3	NW	NE	SE	7	49	32	220
KANSAS CITY	M	20	NW	NE	SE	7	49	32	220
KANSAS CITY	M	22.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	25.2	NW	NE	SE	7	49	32	224
KANSAS CITY	M	20	NE	NE	SW	7	49	32	930
KANSAS CITY	M	20	NE	NE	SW	7	49	32	930
KANSAS CITY	M	20	NE	NE	SW	7	49	32	930
KANSAS CITY	M	16.3	NE	NE	SW	7	49	32	929
KANSAS CITY	M	19.3	NE	NE	SW	7	49	32	930
KANSAS CITY	M	23.3	NE	NE	SW	7	49	32	940
KANSAS CITY	M	25.2	NW	NE	SE	7	49	32	224
KANSAS CITY	M	25.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	20	NE	NE	SW	7	49	32	910

REFNUM	TYPE	SITEADDRES	BUSINESS N	[redacted]
0317407A	M	700 SOUTH WEST BLVD	QUINN & QUINN	
0317408A	M	700 SOUTH WEST BLVD	QUINN & QUINN	
0301689A	M	8301 TRUMAN RD		
0315477A	M	8301 TRUMAN RD		
0122616A	M	5925 INDEPENDENCE AVE KC	AMERICAN STORES PR	
0122617A	M	5925 INDEPENDENCE AVE KC	AMERICAN STORES PR	
0122618A	M	5925 INDEPENDENCE AVE,KC	AMERICAN STORES PR	
0121968A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC	
0163874A	M		HAVENS STEEL CO	
0121967A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC	
0121966A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC	
0121969A	M	2300 OAKLAND,KANSAS CITY	KERR-MCGEE CHEMIC	
0159892A	M		KERR MCGEE	
0206578A	M	7000 WINNER RD 33MW135	ARMCO	
0022988A	M	8501 WINNER RD KANSAS CITY	QUICK TRIP CORP	
0115528A	M	308 N HWY 291,INDEPENDENC	FINA OIL & CHEMICAL	
0023002A	M	8501 WINNER RD KANSAS CITY	QUIKTRIP CORPORATI	
0022989A	M	8501 WINNER RD KANSAS CITY	QUICK TRIP CORP	
0115529A	M	208 N291 HWY, INDEPENDENC	FINA OIL & CHEMICAL	
0115530A	M	308 N 291 HWY,INDEPENDENC	FINA OIL & CHEMICAL	
0022990A	M	8501 WINNER RD KANSAS CITY	QUICK TRIP CORP	
0022991A	M	8501 WINNER RD KANSAS CITY	QUICK TRIP CORP	
0022987A	M	8501 WINNER RD KANSAS CITY	QUICK TRIP CORP	
0206579A	M		ARMCO	
0206576A	M	7000 WINNER RD 33MW125	ARMCO INC	
0206577A	M		ARMCO INC	
0121987A	M	7000 ROBERTS ST,KANSAS CIT	ARMCO,INC. (MW-3A)	
0163490A	M	7000 WINNER RD,KC	ARMCO	
0163489A	M	7000 WINNER RD,KC	ARMCO	
0163488A	M		ARMCO	
0161832A	M	8501 WINNER RD,KC	QUIKTRIP CORPORATI	
0160198A	M	8501 WINNER RD KANSAS CITY	QUIKTRIP CORPORATI	
0160197A	M	8501 WINNER RD KANSAS CITY	QUIKTRIP CORPORATI	

(b) (6)

CITY	USE	TOTAL DEPTH	Q 1	Q 2	Q 3	SEC	TWN	RNG	ELEV
KANSAS CITY	M	23.3	NW	NE	SE	7	49	32	225
KANSAS CITY	M	25.2	NW	NE	SE	7	49	32	225
KANSAS CITY	M	20	NE	NE	SW	7	49	32	910
KANSAS CITY	M	20	NE	NE	SW	7	49	32	910
SALT LAKE CITY	M	20				1	49	33	0
SALT LAKE CITY	M	20				1	49	33	0
SALT LAKE CITY	M	20				1	49	33	0
OKLAHOMA CITY	M	25	NE	NE	SE	12	49	33	740
KANSAS CITY	M	18		NE	NE	12	49	33	0
OKLAHOMA CITY	M	49	NE	NE	SE	12	49	33	739
OKLAHOMA CITY	M	25	NE	NE	SE	12	49	33	750
OKLAHOMA CITY	M	49	NE	NE	SE	12	49	33	744
OKLAHOMA CITY	M	62				12	49	33	0
KANSAS CITY	M	18			SW	31	50	32	0
TULSA	M	16	NE	SW	SE	31	50	32	
DALLAS	M	18			NW	31	50	32	950
TULSA	M	16.5	NE	SW	SE	31	50	32	840
TULSA	M	16.5	NE	SW	SE	31	50	32	
DALLAS	M	15			NW	31	50	32	950
DALLAS	M	15			NW	31	50	32	950
TULSA	M	16.5	SE	SE	SE	31	50	32	
TULSA	M	15	SE	SE	SE	31	50	32	
TULSA	M	16.5	NE	SW	SE	31	50	32	
KANSAS CITY	M	69	NW	SW	SW	31	50	32	0
KANSAS CITY	M	18			SW	31	50	32	0
KANSAS CITY	M	69	NW	SW	SW	31	50	32	0
KANSAS CITY	M	40	NW	NW	NE	31	50	32	0
KANSAS CITY	M	18			SW	31	50	32	0
KANSAS CITY	M	18			SW	31	50	32	0
KANSAS CITY	M	0			SW	31	50	32	0
TULSA	M	15			SE	31	50	32	0
TULSA	M	22	NE	SW	SE	31	50	32	840
TULSA	M	20	NE	SW	SE	31	50	32	840

REFNUM	TYPE	SITEADDRES	BUSINESS N
0160196A	M	8501 WINNER RD KANSAS CITY	QUIKTRIP CORPORATI
0160195A	M	8501 WINNER RD KANSAS CITY	QUIKTRIP CORPORATI
0163487A	M		ARMCO
0160194A	M	8501 WINNER RD KANSAS CITY	QUIKTRIP CORPORATI
0116554A	H		
0315603A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0315602A	M	9300 INDEPENDENCE AVE IND	INDEPENDENCE GAS &
0103730A	M	7000 WINNER RD	ARMCO
0106486A	M	VAN BRUNT & INDEP,INDEPEN	AMOCO OIL CO.
0303106A	M	4722 INDEPENDENCE AVE, KC	BP PRODUCTS NORTH
0303104A	M	4722 INDEPENDENCE AVE, KC	BP PRODUCTS NORTH
0106488A	M	VAN BRUNT & INDEP,INDEPEN	AMOCO OIL CO.
0106485A	M	VAN BRUNT & INDEP,INDEPEN	AMOCO OIL COMPANY
0106487A	M	VAN BRUNT & INDEP,INDEPEN	AMOCO OIL CO.
0106482A	M	VAN BRUNT & INDEPEN,INDEP	AMOCO OIL COMPANY

(b) (6)

[redacted]

CITY	USE	TOTAL DEPTH	Q 1	Q 2	Q 3	SEC	TWN	RNG	ELEV
TULSA	M	19	NE	SW	SE	31	50	32	840
TULSA	M	22	NE	SW	SE	31	50	32	840
KANSAS CITY	M	0			SW	31	50	32	0
TULSA	M	19	NE	SW	SE	31	50	32	840
INDEPENDENCE		190				32	50	32	
INDEPENDENCE	M	20	SW	SW	SE	32	50	32	775
INDEPENDENCE	M	18	SW	SW	SE	32	50	32	775
KANSAS CITY	M	65			NW	32	50	32	0
LENEXA	M	25		SE	SW	35	50	33	0
ST CHARLES	M	27	SW	SE	SW	35	50	33	
ST CHARLES	M	26	SW	SE	SW	35	50	33	
LENEXA	M	25		SE	SW	35	50	33	0
LENEXA	M	25		SE	SW	35	50	33	0
LENEXA	M	25		SE	SW	35	50	33	0
LENEXA	M	25		SE	SW	35	50	33	0

QAS Well Search