

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No. Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Shawnee	Fraction NW ¼ SE ¼ SW ¼ SE ¼	Section Number 31	Township Number T 11 S	Range Number R 16 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: Landmark Investors, LLC Business: Landmark Investors, LLC Address: 22602 State Line Road Address: City: Bucyrus State: KS ZIP: 66013	Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: <input type="checkbox"/> 1000 S. Kansas Avenue, Topeka, KS
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3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S -----1 mile-----	4 DEPTH OF COMPLETED WELL: 23.5 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 22.10 ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 10/06/15 . <input type="checkbox"/> above land surface, measured on (mo-day-yr)..... Pump test data: Well water was ft. after..... hours pumping gpm Well water was ft. after..... hours pumping gpm Estimated Yield:gpm Bore Hole Diameter: in. to ft. and in. to ft.	5 Latitude: 39.045680(decimal degrees) Longitude: 95.675724(decimal degrees) Horizontal Datum: <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model:) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input checked="" type="checkbox"/> Online Mapper: Google Earth
		6 Elevation: 953.92ft. <input type="checkbox"/> Ground Level <input checked="" type="checkbox"/> TOC Source: <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	5. <input type="checkbox"/> Public Water Supply: well ID	10. <input type="checkbox"/> Oil Field Water Supply: lease
2. <input type="checkbox"/> Irrigation	6. <input type="checkbox"/> Dewatering: how many wells?	11. Test Hole: well ID
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
4. <input type="checkbox"/> Industrial	8. <input checked="" type="checkbox"/> Monitoring: well ID MW-6	12. Geothermal: how many bores?
	9. Environmental Remediation: well ID	a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	<input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted:

Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter**2**..... in. to**23.5**.... ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface**~36**..... in. Weight lbs./ft. Wall thickness or gauge No.

TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel Fiberglass PVC Other (Specify)

Brass Galvanized Steel Concrete tile None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify)

Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole)

SCREEN-PERFORATED INTERVALS: From **10**..... ft. to **23.5**..... ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From **3.5**..... ft. to **23.5**..... ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From **0.5**..... ft. to **3.5**..... ft., From ft. to ft., From ft. to ft.

Nearest source of possible contamination:
 Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage
 Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well
 Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well
 Other (Specify) **Unknown source of heavy metals**.....
Direction from well? **Southeast**..... Distance from well? **Approximately 140**..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1'	Silt, brown, dry			
1'	2.5'	Clay, yellowish brown, moist			
2.5'	6'	Clay, olive brown, moist			
6'	14'	Clay, brown, moist			
14'	21'	Clay, some gravel, brown, moist			
21'	23.5'	Clay/shale, olive yellow, dry			
23.5'		Refusal due to bedrock (shale/limestone)			
			Notes: Stick up well completion		

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **753**..... This Water Well Record was completed on (mo-day-year) **11-6-2015**..... under the business name of **Environmental Works Inc.** Signature: *[Signature]*

1000 South Kansas Avenue
Monitoring Well GPS

Monitoring Well ID	Lat	Long
MW-1	39.045239	-95.675688
MW-2	39.045366	-95.675729
MW-3	39.045320	-95.675568
MW-4	39.045223	-95.675463
MW-5	39.045459	-95.675435
MW-6 (stickup)	39.045680	-95.675724

10TH STREET

KANSAS AVENUE

ALLEY WAY

SB-17

SB-3

MW-6

SB-6

MW-5
(SB-14)

SB-7

SB-2

MW-2
(SB-12)

SB-5

SB-10

SB-9

SB-8

SB-1

GW-1

MW-3
(SB-11)

SB-13

(PARKING LOT)

SB-4

MW-1

SB-15

MW-4
(SB-16)

APPROXIMATE
PROPERTY
BOUNDARY

LEGEND

- ⊙ = PHASE II SAMPLE LOCATIONS
- ⊗ = PHASE II SCREENING LOCATIONS
- ⊕ = SOIL BORING LOCATIONS
- ⊕ = MONITORING WELL LOCATIONS

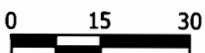
NORTH



CHECKED BY:
G. DILLON

E.W.I. # 150737
DRAWN BY: ARK
Oct. 19, 2015

SCALE IN FEET



APPROXIMATE



ENVIRONMENTAL WORKS

1455 E. Chestnut Expressway, Springfield, MO 65802

SITE DIAGRAM

LANDMARK PLAZA DEVELOPMENT
1000 SOUTH KANSAS AVENUE
TOPEKA, SHAWNEE COUNTY, KANSAS

FIGURE

2.0