

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID GMW-20

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Jefferson	Fraction NW ¼ SE ¼ NW ¼ SW ¼	Section Number 9	Township Number T 9 S	Range Number R 17 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: US ARMY CORP of engineers kansas city district Address: 601 East 12th street City: Kansas city State: MO ZIP: 64106	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"/>
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3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S -----1 mile-----	4 DEPTH OF COMPLETED WELL: 25 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 17 ft. <input type="checkbox"/> below land surface, measured on (mo-day-yr) <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: 6 in. to 31 ft. and in. to ft.	5 Latitude: 39.279163 (decimal degrees) Longitude: -95.533125 (decimal degrees) <u>Horizontal Datum:</u> <input checked="" type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 <u>Source for Latitude/Longitude:</u> <input checked="" type="checkbox"/> GPS (unit make/model: iphone) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper:
		6 Elevation: ft. <input type="checkbox"/> Ground Level <input type="checkbox"/> TOC <u>Source:</u> <input type="checkbox"/> Land Survey <input checked="" 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 6. <input type="checkbox"/> Dewatering: how many wells? 7. <input type="checkbox"/> Aquifer Recharge: well ID 8. <input checked="" type="checkbox"/> Monitoring: well ID GMW-20	10. <input type="checkbox"/> Oil Field Water Supply: lease 11. Test Hole: well ID <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
2. <input type="checkbox"/> Irrigation	9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	12. Geothermal: how many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
3. <input type="checkbox"/> Feedlot	4. <input type="checkbox"/> Industrial	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 **20** ft., Diameter in. to ft., Diameter in. to ft.

Casing height above land surface **0** in. Weight **70** lbs./ft. Wall thickness or gauge No. **SCH40**

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 **20** ft. to **25** ft., From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From **18** ft. to **26** ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From ft. to 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) **N/A**

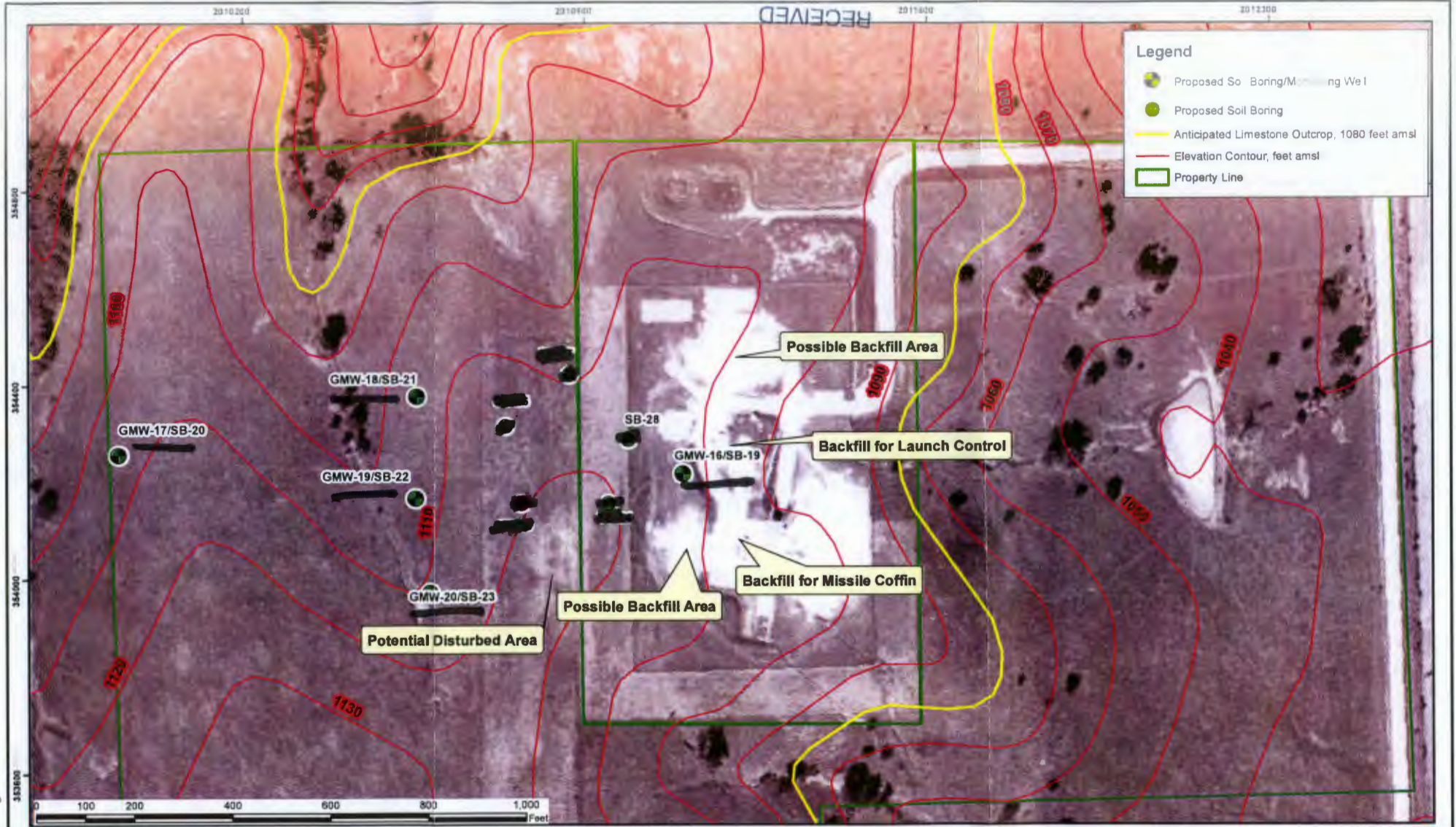
Direction from well? Distance from well? ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	19	clay			
19	31	limestone with layers of shale			

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-yr) **10-17-17** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **597** This Water Well Record was completed on (mo-day-yr) **10/17/17** under the business name of **Cascade Drilling** Signature *[Signature]*

JAN 29 2018

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Legend

- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Anticipated Limestone Outcrop, 1080 feet amsl
- Elevation Contour, feet amsl
- Property Line

Figure 7. Remedial Investigation proposed sampling locations on a 1966 aerial photograph.

Base map source - ESRI Digital Globe
Elevation contours (feet AMSL) - USGS

 U.S. Army Corps of Engineers
Kansas City District



Former Forbes Atlas
Missile Site S-1
Jefferson County, Kansas

9-9-17E

JEFFERSON Co