

WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

Division of Water
Resources App. No.

Well ID **MW-4B**

1 LOCATION OF WATER WELL:

County: Cloud

Fraction

SW 1/4 NW 1/4 NW 1/4 SW 1/4

Section Number

23

Township Number

T 5 S

Range Number

R 5 E

2 WELL OWNER: Last Name: Christopher

First: **Boettcher**

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: ☐

Business: **Boettcher Enterprises**

Address: **1205 Stacey Lane**

Address: **PO Box 279**

City: **Manhattan**

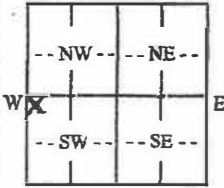
State: **KS**

ZIP:

Approximately 510 ft. south & 165 ft. east of the intersection of 40th Road & 1st Street, Jamestown, Ks.

3 LOCATE WELL WITH "X" IN SECTION BOX:

N



4 DEPTH OF COMPLETED WELL: 40.0 ft.

Depth(s) Groundwater Encountered: 1) **18.0** ft.

2) **18.9** ft. 3) **18.9** ft. or 4) ☐ Dry Well

WELL'S STATIC WATER LEVEL: **6-9-23** ft.

☒ below land surface, measured on (mo-day-yr) **6-9-23**

☐ above land surface, measured on (mo-day-yr)

Pump test data: Well water was **18.0** ft.

after **18.0** hours pumping **18.0** gpm

Well water was **18.0** ft.

after **18.0** hours pumping **18.0** gpm

Estimated Yield: **18.0** gpm

Bore Hole Diameter: **8.75** in. to **40.0** ft. and

8.75 in. to **40.0** ft.

5 Latitude: **39.601410** (decimal degrees)

Longitude: **-97.855901** (decimal degrees)

Horizontal Datum: ☒ WGS 84 ☐ NAD 83 ☐ NAD 27

Source for Latitude/Longitude: **RTK**

☒ GPS (unit make/model: **RTK**)

(WAAS enabled? ☐ Yes ☐ No)

☐ Land Survey ☐ Topographic Map

☐ Online Mapper

6 Elevation: **1411.16** ft. ☐ Ground Level ☒ TOC

Source: ☒ Land Survey ☒ GPS ☐ Topographic Map

☐ Other

7 WELL WATER TO BE USED AS:

1. Domestic:

- ☐ Household
☐ Lawn & Garden
☐ Livestock

2. ☐ Irrigation

3. ☐ Feedlot

4. ☐ Industrial

5. ☐ Public Water Supply: well ID

6. ☐ Dewatering: how many wells?

7. ☐ Aquifer Recharge: well ID

8. ☒ Monitoring: well ID **MW-4B**

9. Environmental Remediation: well ID

☐ Air Sparge ☐ Soil Vapor Extraction

☐ Recovery ☐ Injection

10. ☐ Oil Field Water Supply: lease

11. Test Hole: well ID

☐ Cased ☐ Uncased ☐ Geotechnical

12. Geothermal: how many bores?

a) Closed Loop ☐ Horizontal ☐ Vertical

b) Open Loop ☐ Surface Discharge ☐ Inj. of Water

13. ☐ 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 diameter **2** in. to **25** ft., Diameter **25** in. to **25** ft., Diameter **25** in. to **25** ft.

Casing height above land surface **0** in. Weight **0** lbs./ft. Wall thickness or gauge No. **sch 40**

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 **25** ft. to **40** ft., From **25** ft. to **40** ft., From **25** ft. to **40** ft.

GRAVEL PACK INTERVALS

From **23** ft. to **40** ft., From **23** ft. to **40** ft., From **23** ft. to **40** ft.

9 GROUT MATERIAL:

☐ Neat cement ☐ Cement grout ☒ Bentonite ☒ Other **cement pad**

Grout Intervals: From **1** ft. to **23** ft., From **0** ft. to **1** ft., From **0** ft. to **1** 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) **contaminated site**

Direction from well? **0** Distance from well? **0** ft.

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

0 **2** **Silty Clay, dark brown, dry to moist**

2 **18** **Lean Clay, brown, moist, trace sand**

18 **27** **Lean Clay, brown to light brown, wet,**

some fine sand

27 **40** **Lean Clay, light brown, trace fine sand,**

trace gravel, wet

Notes:

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) **6-7-2023** and this record is true to the best of my knowledge and belief.

Kansas Water Well Contractor's License No. **604** This Water Well Record was completed on (mo-day-yr) **9/23/23**

under the business name of **Environmental Priority Service, Inc.** Signature **[Signature]**

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section,

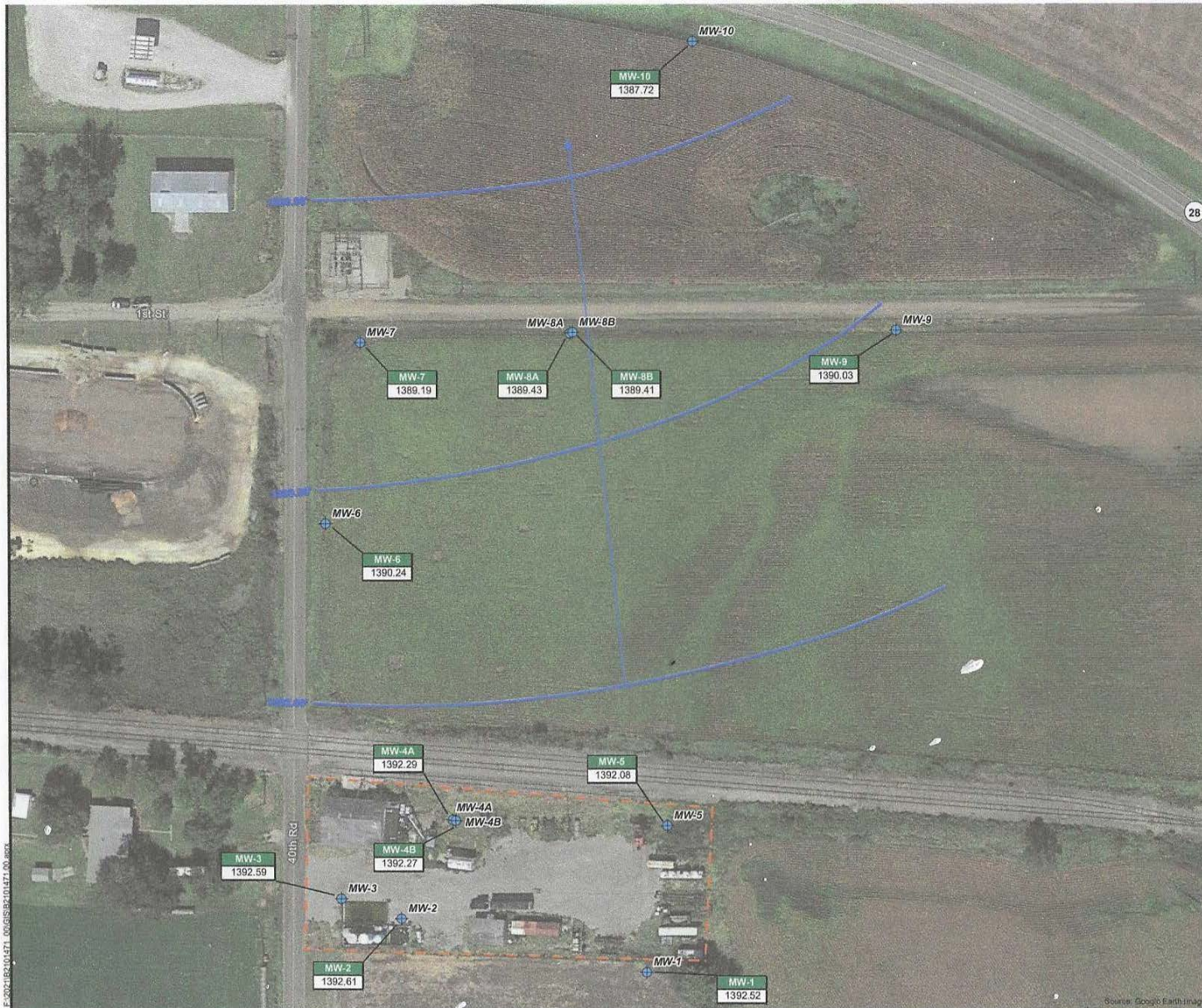
1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

Visit us at <http://www.kdheks.gov/waterwell/index.html>

KSA 82a-1212

Revised 7/10/2015

T. 5 R. 5W Sec. 23
Cloud County



- Monitoring Well Location
- Approximate Property Boundary
- Groundwater Flow Direction
- Groundwater Contours

NOTES
Static groundwater elevation is in feet above mean sea level.



**BRAUN
INTERTEC**
The Science We Build On
11011 Hampshire Avenue S
Minneapolis, MN 55438
952.995.2000
braunintertec.com

Drawing Information

Project No:
52101471.00
Drawing No:
F7 GW Flow Map
Drawn By:
ZS
Drawn/Drawn:
8/21/2023
Checked By:
HIS
Last Modified:
9/27/2023

Boettcher
Enterprises, Inc.

2030 North 40th Road

Jamestown, Kansas

**Groundwater
Flow Map**

Figure 7