289 11811 OB-3A-12

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Harvey | Fraction: 1/4 SE 1/4 SE 1/4 SW 1/4 | Section Number: 29 | Township No.: T 22 S | Range Number: R 3 ☐E ☒W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐

Approximately 2 miles south and 5 miles east of Buhler.

Global Positioning System (GPS) information:

Latitude: 38.101437 (in decimal degrees)

Longitude: -97.675066 (in decimal degrees)

Elevation: unknown

Datum: ☐ WGS 84, ☒ NAD 83, ☐ NAD 27

Collection Method:

☒ GPS unit (Make/Model: WAAS)

☐ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey

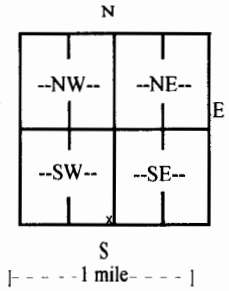
Est. Accuracy: ☐ <3 m, ☒ 3-5 m, ☐ 5-15 m, ☐ >15 m

2 WATER WELL OWNER: McPherson Board of Public Utilities

RR#, Street Address, Box #: 401 W Kansas

City, State, ZIP Code : McPherson, KS 67460

3 LOCATE WELL WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 242 ft.

Depth(s) Groundwater Encountered (1) ____ ft. (2) ____ ft. (3) ____ ft.

WELL'S STATIC WATER LEVEL 38.40 ft. below land surface measured on mo/day/yr 09/26/12

Pump test data: Well water was not checked ft. after ____ hours pumping ____ gpm

EST. YIELD ____ gpm. Well water was ____ ft. after ____ hours pumping ____ gpm

Bore Hole Diameter 6 in. to 280 ft., and ____ in. to ____ ft.

WELL WATER TO BE USED AS: ☐ Public water supply ☐ Geothermal ☐ Injection well ☐ Domestic ☐ Feedlot ☐ Oil field water supply ☐ Dewatering ☐ Other (Specify below) ☐ Irrigation ☐ Industrial ☐ Domestic-lawn & garden ☒ Monitoring well

Was a chemical/bacteriological sample submitted to Department? ☐ Yes ☒ No

If yes, mo/day/yr sample was submitted ____

Water well disinfected? ☐ Yes ☒ No

5 TYPE OF CASING USED: ☐ Steel ☒ PVC ☐ Other ____

CASING JOINTS: ☐ Glued ☐ Clamped ☐ Welded ☒ Threaded

Casing diameter 2 in. to 229 ft., Diameter ____ in. to ____ ft., Diameter ____ in. to ____ ft.

Casing height above land surface 36 in., Weight .703 lbs./ft., Wall thickness or gauge No. .154

TYPE OF SCREEN OR PERFORATION MATERIAL:

☐ Steel ☐ Stainless Steel ☒ PVC ☐ Other (Specify) ____

☐ Brass ☐ Galvanized Steel ☐ None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

☐ Continuous slot ☒ Mill slot ☐ Gauze wrapped ☐ Torch cut ☐ Drilled holes ☐ None (open hole)

☐ Louvered shutter ☐ Key punched ☐ Wire wrapped ☐ Saw cut ☐ Other (specify) ____

SCREEN-PERFORATED INTERVALS: From 229 ft. to 239 ft., From ____ ft. to ____ ft.

From ____ ft. to ____ ft., From ____ ft. to ____ ft.

GRAVEL PACK INTERVALS: From 216 ft. to 243 ft., From ____ ft. to ____ ft.

From 260 ft. to 280 ft., From ____ ft. to ____ ft.

6 GROUT MATERIAL: ☒ Neat cement ☒ Cement grout ☒ Bentonite ☐ Other

Grout Intervals: From 0 ft. to 3 ft., From 3 - 26 ft. to 26 - 208 ft., From 208 - 216 ft. to 243 - 260 ft.

What is the nearest source of possible contamination:

☐ Septic tank ☐ Lateral lines ☐ Pit privy ☐ Livestock pens ☐ Insecticide storage ☒ Other (specify below)

☐ Sewer lines ☐ Cesspool ☐ Sewage lagoon ☐ Fuel storage ☐ Abandoned water well None Known

☐ Watertight sewer lines ☐ Seepage pit ☐ Feedyard ☐ Fertilizer storage ☐ Oil well/gas well

Direction from well ____ Distance from well ____

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	4	Topsoil	95	107	Sand, coarse to very fine, loose, clean, with
4	7	Clay, dark brown, soft			fine to medium gravel
7	19	Clay, brown, silty, soft	107	111	Clay, green, hard
19	28	Clay, dark gray, soft, silty	111	150	Clay, dark gray, hard
28	42	Clay, green, soft	150	156	Clay, dark gray, hard, with sand streaks
42	77	Sand, coarse to very fine, loose, clean,	156	190	Sand, coarse to very fine, loose, clean, with
		clay streaks			fine gravel
77	92	Sand, coarse to very fine, with medium	190	217	Clay, tan & gray, hard
		to fine gravel, loose, clean	217	247	Sand, coarse to very fine, loose, clean, with
92	95	Clay, tan, hard			fine gravel, clay streaks

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☒ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo/day/year) 09/26/12 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/year) 10/04/12 under the business name of Clarke Well & Equipment, Inc. by (signature) ____

INSTRUCTIONS: Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of $5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.

KSA 82a-1212 Check: ☒ White Copy ☐ Blue Copy

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FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
247	264	Clay, tan, hard			
264	270	Sand, coarse to very fine, loose, clean,			
		with clay streaks			
270	271	Shale, weathered, hard			
271	280	Shale, red, hard			

RECEIVED
OCT 15 2012
KS GEO SURVEY