283 11811 OB-4-12

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Harvey | Fraction: 1/4 SW 1/4 NW 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 1.50 miles south and 5 miles east of Buhler.

Global Positioning System (GPS) information:

Latitude: 38.106099 (in decimal degrees)

Longitude: -97.684129 (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

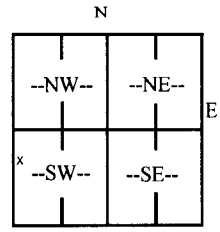
Est. Accuracy: ☐ <3 m, ☒ 3-5 m, ☐ 5-15 m, ☐ >15 m

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 230 ft.

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

WELL'S STATIC WATER LEVEL 38.55 ft. below land surface measured on mo/day/yr 09/06/12

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 240 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 Observation 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 207 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 207 ft. to 227 ft., From ft. to ft.

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

GRAVEL PACK INTERVALS: From 202 ft. to 240 ft., From ft. to ft.

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

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

Grout Intervals: From 0 ft. to 3 ft., From 3 ft. to 202 ft., From ft. to 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	7	Topsoil	126	131	Sand, fine
7	14	Clay, brown	131	157	Clay, tan, brown
14	37	Clay, gray	157	164	Clay, tan, caliche, sand, fine
37	74	Sand, fine to coarse	164	174	Sand, fine to coarse, brown clay streaks
74	76	Clay, gray	174	179	Clay, white, gray, brown, sand streaks,
76	86	Sand, fine to coarse			caliche, shale pieces
86	90	Sand, fine to coarse, gray clay streaks	179	193	Clay, tan, brown, green shale, caliche
90	98	Sand, fine to coarse	193	196	Sand, fine to coarse
98	102	Clay, brown, gray	196	205	Clay, brown, tan, gray
102	126	Clay, tan, brown	205	210	Clay, brown, green shale, caliche, sand streak

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) 09/06/12 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) 09/26/12 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
210	221	Sand, fine to coarse, some medium			
		gravel			
221	227	Sand, fine to coarse, brown clay, shale			
		pieces			
227	240	Shale, red, green, black			

RECEIVED
OCT 15 2012
KS GEO SURVEY