KOLAR Document ID: 1401901

WATER WELL RECORD Form WWC-5

☑ Original Record ☐ Correction ☐ Change in Well Use

Division of Water Resources App. No. ______ Well ID ______

1 LOCATION OF WATER WELL: County: Riley

Fraction: NW ¼ SE ¼ SE ¼ NW ¼

Section Number: 18

Township Number: T 8 S

Range Number: R 7 ☑ E ☐ W

2 WELL OWNER: Last Name: Richards First: Blake

Business:

Address: 10400 Clyde Dr

Address:

City: Manhattan State: KS ZIP: 66503

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: ☑

3 LOCATE WELL WITH "X" IN SECTION BOX:

N

NW X	NE
SW	SE

W / E

S

|----------1 mile---------|

4 DEPTH OF COMPLETED WELL: 158 ft.

Depth(s) Groundwater Encountered: 1) 91 ft. 2) ……….. ft. 3) ……….. ft., or 4) ☐ Dry Well

WELL'S STATIC WATER LEVEL: 84 ft.

☑ below land surface, measured on (mo-day-yr) 3/15/2017

☐ 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: 4 gpm

Bore Hole Diameter: 10 in. to 158 ft. and ……….. in. to ……….. ft.

5 Latitude: 39.357342 (decimal degrees)

Longitude: 96.692376 (decimal degrees)

Datum: ☑ WGS 84 ☐ NAD 83 ☐ NAD 27

Source for Latitude/Longitude:

☐ GPS (unit make/model: ……………………………)

(WAAS enabled? ☐ Yes ☐ No)

☐ Land Survey ☐ Topographic Map

☐ Online Mapper: ……………………………………

6 Elevation: 1147 ft. ☑ Ground Level ☐ TOC

Source: ☐ Land Survey ☐ GPS ☐ Topographic Map

☑ Other KOLAR

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 ……………
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 JOINTS: ☑ Glued ☐ Clamped ☐ Welded ☐ Threaded

Casing diameter 6 in. to 158 ft., Diameter ………… in. to ………… ft., Diameter ………… in. to ………… ft.

Casing height above land surface 24 in. Weight ………… lbs./ft. Wall thickness or gauge No. SDR26

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 78 ft. to 118 ft., From ………… ft. to ………… ft., From ………… ft. to ………… ft.

GRAVEL PACK INTERVALS: From 23 ft. to 158 ft., From ………… ft. to ………… ft., From ………… ft. to ………… ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other …………

Grout Intervals: From 0 ft. to 23 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) …………

Direction from well? SW Distance from well? 150 ft.

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

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-year) 3/15/2017 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 760 This Water Well Record was completed on (mo-day-year) 3/15/2017 under the business name of Associated Drilling, Inc.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.

KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.

Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212

Form	WWC5
Contractor	Associated Drilling, Inc.
Well Owner	Blake Richards
Doc ID	1401901

Litholgy

From	To	LithologicLog
0	2	Top Soil
2	46	Alternating Layers of Limestone and Gray Shale
46	55	Red Shale
55	65	Weathered Limestone
65	69	Grey Shale
69	73	Limestone
73	74	Red Shale
74	100	Alternating layers of Gray Shale and weathered limestone
100	103	Limestone
103	106	Gray Shale
106	113	Red Shale
113	121	Limestone
121	124	Gray Shale
124	126	Limestone
126	130	Gray Shale
130	134	Red Shale
134	139	Gray Shale
139	144	Limestone
144	158	Gray Shale