

County: Shawnee Fraction: SW NG SE NE Sec. 34 T. 11S S R. 17 E

CORRECTION(S) to WATER WELL COMPLETION RECORD Form WWC-5 (to rectify lacking or incorrect information)

Owner: Douglas RWD H3 H7

If location corrected, was listed as:

Section-Township-Range: _____

Fraction (¼ calls): _____

Location changed to:

Other changes: Initial statements: Latitude: 39.053059 ; Longitude: -95.503881

County: Douglas

Changed to: Latitude: 39.053085 ; Longitude: -95.50387

County: Shawnee

Comments: Per email exchange between Pam Chaffee: Canoy Pump

Verification method: Confirmed by Canoy Pump ; Interactive Map

Initials: KS Date: 01/21/2015

Submitted by: ☒ Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3724

☐ Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

WATER WELL RECORD Form WWC-5

☐ Original Record ☐ Correction ☐ Change in Well Use

Division of Water Resources App. No.

Well ID 7

| | | | | | | |
|--|--|---|---|---|--|---|
| 1 LOCATION OF WATER WELL: County: <u>Douglas</u> | | Fraction <div style="display: flex; justify-content: space-around;">1/41/41/41/4</div> | | Section Number | Township Number T S | Range Number R E <input type="checkbox"/> W <input type="checkbox"/> |
| 2 WELL OWNER: Last Name: Business: <u>Douglas RWD #3</u> Address: <u>7035 SE 69th St</u> Address: City: <u>Berryton</u> State: <u>KS</u> ZIP: <u>66409</u> | | | 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"/> | | | |
| 3 LOCATE WELL WITH "X" IN SECTION BOX: N <div style="border: 1px solid black; width: 100px; height: 100px; margin: 10px auto; position: relative;"><div style="position: absolute; top: 0; left: 0; width: 50%; height: 50%; border: 1px solid black;"></div><div style="position: absolute; top: 0; left: 50%; width: 50%; height: 50%; border: 1px solid black;"></div><div style="position: absolute; top: 50%; left: 0; width: 50%; height: 50%; border: 1px solid black;"></div><div style="position: absolute; top: 50%; left: 50%; width: 50%; height: 50%; border: 1px solid black;"></div><div style="position: absolute; top: 10px; left: 10px;">NW</div><div style="position: absolute; top: 10px; left: 60px;">NE</div><div style="position: absolute; top: 60px; left: 10px;">SW</div><div style="position: absolute; top: 60px; left: 60px;">SE</div></div> S -----1 mile----- | | 4 DEPTH OF COMPLETED WELL: <u>59</u> ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ft. <input checked="" 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 <u>25.23</u> ft. after <u>24</u> hours pumping <u>400</u> gpm Well water was ft. after hours pumping gpm Estimated Yield: <u>400</u> gpm Bore Hole Diameter: <u>20</u> in. to <u>60.5</u> ft. and in. to ft. | | 5 Latitude: <u>39.053059</u> (decimal degrees) Longitude: <u>-95.503881</u> (decimal degrees) Horizontal Datum: <input type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model:) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input checked="" type="checkbox"/> Online Mapper: <u>Google Earth</u> | | |
| | | 6 Elevation: <u>854</u> ft. <input type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input checked="" 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 2. <input type="checkbox"/> Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial | 5. <input checked="" 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 type="checkbox"/> Monitoring: well ID 9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection |
|---|---|

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 14 in. to 37 in., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface 30 in. Weight lbs./ft. Wall thickness or gauge No.

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 39 ft. to 59 ft., From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 33.6 ft. to 60.5 ft., From ft. to ft., From ft. to ft.

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

Grout Intervals: From 33.6 ft. to 23 ft., From 23 ft. to 0 ft., From ft. to ft.

Nearest source of possible contamination:

- | | | | | |
|---|--|--|---|---|
| <input type="checkbox"/> Septic Tank | <input type="checkbox"/> Lateral Lines | <input type="checkbox"/> Pit Privy | <input type="checkbox"/> Livestock Pens | <input type="checkbox"/> Insecticide Storage |
| <input type="checkbox"/> Sewer Lines | <input type="checkbox"/> Cess Pool | <input type="checkbox"/> Sewage Lagoon | <input type="checkbox"/> Fuel Storage | <input type="checkbox"/> Abandoned Water Well |
| <input type="checkbox"/> Watertight Sewer Lines | <input type="checkbox"/> Seepage Pit | <input type="checkbox"/> Feedyard | <input type="checkbox"/> Fertilizer Storage | <input type="checkbox"/> Oil Well/Gas Well |

☒ Other (Specify) RR

Direction from well? N Distance from well? 135' ft.

| 10 FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHO. LOG (cont.) or PLUGGING INTERVALS |
|---------|------|----------------------------|------|----|--|
| 0 | 1.5 | topsoil, dk gr-brn | 47 | 60 | sand m-c sm gr |
| 1.5 | 10 | silt, gr-brn, cl rich | 60 | | weathered limestone |
| 10 | 15 | sand, vfn-fn sily above 47 | 60.5 | | anger refusal |
| 15 | 16.5 | silt, grey, sdy | | | |
| 16.5 | 20.5 | sand, fn-vfn, sily | | | |
| 20.5 | 26 | sand, fn-m, grey -lt brn | | | |
| 26 | 29.5 | sand, fn, sily | | | |
| 29.5 | 30 | clay brn-grey, sdy | | | |
| 30 | 47 | fn-c w tr gr | | | |

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) 11/12 and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. 793 This Water Well Record was completed on (mo-day-year) 6/20/17 (K65)
 under the business name of Cahoy Pump Signature Dan Cahoy

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

GEOLOGIC LOG

LEGGETTE, BRASHEARS & GRAHAM, INC.

North Kansas City, Missouri

OWNER: Douglas County Rural Water District No. 3

WELL NO.:

PAGE 1 OF 1 PAGE(S)

| | | | |
|---------------------------------|---------------------------|-----------------------|-----------------------|
| SITE LOCATION: | Tecumseh, Kansas | SCREEN SIZE & TYPE: | NA |
| Douglas Co. RWD #3 Well Site #7 | | SLOT NO.: | SETTING: |
| DATE COMPLETED: | 4/3/2012 | SAND PACK SIZE & TYPE | NA |
| DRILLING COMPANY: | Cahoy Well and Pump, Inc. | SETTING: | |
| DRILLING METHOD: | Solid Flight Auger | CASING SIZE & TYPE: | NA |
| SAMPLING METHOD: | Picked off augers | SEAL TYPE: | NA |
| OBSERVER: | Martha Silks, PG | SETTING: | |
| REFERENCE POINT (RP): | | BACKFILL TYPE: | bentonite abandonment |
| ELEVATION OF RP: | | STATIC WATER LEVEL: | NA |
| STICK-UP: none | | DEVELOPMENT METHOD: | NA |
| SURFACE COMPLETION: | none | DURATION: | YIELD: |

REMARKS:

ABBREVIATIONS: MC=MACRO CORE W=WASH C=CUTTINGS G=GRAB ST=SHELBY TUBE

REC=RECOVERY

PPM=PARTS PER MILLION

FBG=FEET BELOW GRADE

| DEPTH (Feet) | | SAMPLE TYPE | BLOW COUNT | REC. (Feet) | DESCRIPTION |
|--------------|------|-------------|------------|-------------|---|
| FROM | TO | | | | |
| 0 | 1.5 | grab | | 1.5 | dark grey-brown topsoil |
| 1.5 | 10 | grab | | 8.5 | silt, brown-grey, clay rich |
| 10 | 14.5 | grab | | 4.5 | sand, tan, very fine, silty, with some clay |
| 14.5 | 15 | grab | | 0.5 | sand, tan, very fine to fine |
| 15 | 16.5 | grab | | 1.5 | silt, grey, sandy |
| 16.5 | 19 | grab | | 3.5 | sand, yellow-brown (slight iron stain) fine to very fine, silty |
| 19 | 20.5 | grab | | 5 | sand, red (iron stain) very fine to fine, silty |
| 20.5 | 26 | grab | | 5.5 | sand, grey-light brown (slight iron stain), fine to medium, some silt, trace coarse |
| 26 | 29.5 | grab | | 3.5 | sand, white, fine, well sorted, silty |
| 29.5 | 30 | grab | | 0.5 | clay, brown-grey, sandy |
| 30 | 40 | grab | | 10 | sand, brown-grey, fine, medium, & coarse, trace fine gravel |
| 40 | 47 | grab | | 3 | sand, brown-grey (moderate iron staining), medium with fine and coarse, and trace fine gravel |
| 47 | 55 | grab | | 8 | sand, brown-grey, medium with coarse and some fine gravel, trace fine sand |
| 55 | 60 | | | 5 | sand, brown-grey, medium with coarse, trace fine and fine gravel |
| 60 | 60.5 | grab | | 4.5 | clay white and brown with sand, weathered limestone |
| 60.5 | | | | | auger refusal |

CAHOY WELL AND PUMP SERVICE
411 EAST MAIN STREET
FREDERICKSBURG, IA 50630

OWNER: Douglas County RW #3
WELL # 7
DATE: 06/28/12

563-237-5361 FREDERICKSBURG, IA
563-237-6517 FAX
712-781-2030 MARNE, IA
712-781-2032 FAX

