

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

[Empty box]

Well ID OB-3-19

[X] Original Record [ ] Correction [ ] Change in Well Use

1 LOCATION OF WATER WELL: County: Harper Fraction SE 1/4 SE 1/4 SW 1/4 NE 1/4 Section Number 24 Township Number T 31 S Range Number R 6 [ ] E [X] W

2 WELL OWNER: Last Name: Vornauf First: Jeff 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: [ ] Located southwest of intersection of NE 70 Ave. & NE 130 Rd.

3 LOCATE WELL WITH "X" IN SECTION BOX: [Diagram showing a 2x2 grid with NW, NE, SW, SE quadrants and an 'X' in the NE quadrant]

4 DEPTH OF COMPLETED WELL: 30 ft. Depth(s) Groundwater Encountered: 1) ... ft. 2) ... ft. 3) ... ft., or 4) [ ] Dry Well WELL'S STATIC WATER LEVEL: 12.30 ft. [X] below land surface, measured on (mo-day-yr) 09-11-19 [ ] above land surface, measured on (mo-day-yr) Pump test data: Well water was not checked ft. after ... hours pumping ... gpm Well water was ... ft. after ... hours pumping ... gpm Estimated Yield: ... gpm Bore Hole Diameter: 5 in. to 30 ft. and ... in. to ... ft.

5 Latitude: 37.33499 (decimal degrees) Longitude: -97.917909 (decimal degrees) Horizontal Datum: [ ] WGS 84 [ ] NAD 83 [X] NAD 27 Source for Latitude/Longitude: [X] GPS (unit make/model: ... (WAAS enabled? [X] Yes [ ] No) [ ] Land Survey [ ] Topographic Map [ ] Online Mapper: ... 6 Elevation: Unknown 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 ... 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. [X] Other (specify): Observation Well

Was a chemical/bacteriological sample submitted to KDHE? [ ] Yes [X] No If yes, date sample was submitted: ... Water well disinfected? [ ] Yes [X] No

8 TYPE OF CASING USED: [ ] Steel [X] PVC CASING JOINTS: [X] Glued [ ] Clamped [ ] Welded [ ] Threaded [ ] Other Casing diameter 2 in. to 15 ft., Diameter 2 in. to 28 ft., Diameter ... in. to ... ft. Casing height above land surface 24 in. Weight .73 lbs./ft. Wall thickness or gauge No. .215 TYPE OF SCREEN OR PERFORATION MATERIAL: [ ] Steel [ ] Stainless Steel [ ] Fiberglass [X] PVC [ ] Other (Specify) ... [ ] Brass [ ] Galvanized Steel [ ] Concrete tile [ ] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [ ] Continuous Slot [X] 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 15 ft. to 21 ft., From ... ft. to ... ft., From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 12 ft. to 30 ft., From ... ft. to ... ft., From ... ft. to ... ft.

9 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [ ] Other Grout intervals: From 0 ft. to 12 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 [X] Other (Specify) None Known Direction from well? ... Distance from well? ... ft.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show soil layers: 0-3 Topsoil, 3-10 Clay, brown, redish, 10-21 Sand, coarse to fine, with fine to medium gravel, 21-30 Shale, red.

Notes: Grouting modified due to shallow groundwater

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [ ] reconstructed, or [ ] plugged under my jurisdiction and was completed on (mo-day-year) 09-11-19 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) 09-13-19 under the business name of Clarke Well & Equipment, Inc. Signature