

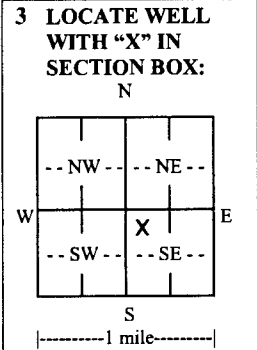
WATER WELL RECORD Form WWC-5

Division of Water Resources App. No. [ ] Well ID PMW17SP

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Harvey Fraction SE 1/4 NW 1/4 NW 1/4 SE 1/4 Section Number 8 Township Number T 23 S Range Number R 1 E W

2 WELL OWNER: Last Name: Sommerfield/Penner Service Station First: 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: City: Newton State: KS ZIP: 67114



3 LOCATE WELL WITH 'X' IN SECTION BOX: N W E S | 4 DEPTH OF COMPLETED WELL: 16.5 ft. Depth(s) Groundwater Encountered: 1) 10 ft. 2) ft. 3) ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: below land surface, measured on (mo-day-yr) above land surface, measured on (mo-day-yr) Pump test data: Well water was after hours pumping gpm Well water was after hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: 8.5 in. to 16.5 ft. and in. to ft.

5 Latitude: 38.0630219 (decimal degrees) Longitude: -97.34409347 (decimal degrees) Horizontal 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: Google Earth | 6 Elevation: 1433.25 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other Google Earth

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2. Public Water Supply: well ID 3. Dewatering: how many wells? 4. Aquifer Recharge: well ID 5. Monitoring: well ID PMW17SP 6. Environmental Remediation: well ID 7. Air Sparge 8. Soil Vapor Extraction 9. Recovery 10. 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 2 in. to 16.5 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface in. Weight lbs./ft. Wall thickness or gauge No. SCH 40 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 5 ft. to 16.5 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 4 ft. to 16.5 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 4 ft. to 3 ft., From 3 ft. to 1 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? Northwest Distance from well? 450 ft.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show soil layers: Topsoil, silty clay loam, brown; Silty Clay (CL), brown; Sandy Clay (CH), brown.

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) 11-27-17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 585 This Water Well Record was completed on (mo-day-year) 11-30-17 under the business name of Associated Environmental, Inc. Signature [Handwritten Signature]