

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

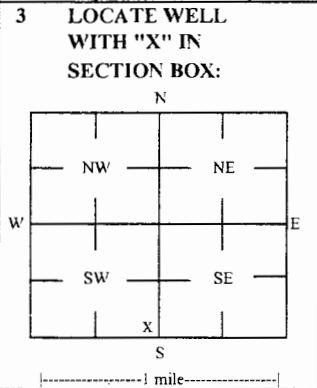
Well ID

MW6

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

1 LOCATION OF WATER WELL: County Rooks Fraction SE 1/4 SE 1/4 SE 1/4 SW 1/4 Section Number 13 Township Number T 7 S Range Number R 18 [ ] E [X] W

2 WELL OWNER: Last Name: Business: KDHE Address: 1000 SW Jackson City Topeka State: KS ZIP: 66612 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 240' N-NW of S Cypress St & Main St., Stockton, KS



3 LOCATE WELL WITH "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 34.5 ft Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft 2) \_\_\_\_\_ ft 3) \_\_\_\_\_ ft, or 4) [ ] Dry Well WELL'S STATIC WATER LEVEL: 25.00 ft [X] below land surface, measured on (mo-day-yr) 02/28/18 [ ] above land surface, measured on (mo-day-yr) \_\_\_\_\_ Pump test data: Well water was \_\_\_\_\_ ft after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm Water well was \_\_\_\_\_ ft after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm Estimated Yield: \_\_\_\_\_ gpm Bore Hole Diameter: 8 in to \_\_\_\_\_ ft, and \_\_\_\_\_ in to \_\_\_\_\_ ft

5 Latitude: 39.4372961 (decimal degrees) Longitude: -99.2775296 (decimal degrees) Horizontal Datum: [ ] WGS 84 [X] NAD 83 [ ] NAD 27 Source for Latitude/Longitude: [ ] GPS (unit make/model: \_\_\_\_\_) (WAAS enabled? [ ] Yes [ ] No) [X] Land Survey [ ] Topographic Map [ ] Online Mapper

6 Elevation 1779.95 ft [ ] Ground Level [X] TOC Source [X] Land Survey [ ] GPS [ ] Topographic Map [ ] Other \_\_\_\_\_

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 [X] Monitoring: well ID MW6 6 [ ] Environmental Remediation: well ID \_\_\_\_\_ 7 [ ] Air Sparge [ ] Soil Vapor Extractor 8 [ ] Recovery [ ] Injection 9 [ ] Oil Field Water Supply: lease \_\_\_\_\_ 10 [ ] Test Hole: well ID \_\_\_\_\_ [ ] Cased [ ] Uncased [ ] Geotechnical 11 Geothermal: How many bores? \_\_\_\_\_ a) Closed Loop [ ] Horizontal [ ] Vertical b) Open Loop [ ] Surface Discharge [ ] Inj. of Water [ ] Other (specify): \_\_\_\_\_

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 [ ] Other \_\_\_\_\_ CASING JOINTS: [ ] Glued [ ] Clamped [ ] Welded [X] Threaded Casing diameter 2 in. to 14.5 ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Casing height above land surface -0.25 in. Weight \_\_\_\_\_ lbs./ft. Well thickness or gauge No \_\_\_\_\_ 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 14.5 ft. to 34.5 ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. GRAVEL PACK INTERVALS: From 12.5 ft. to 34.5 ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

9 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [X] Other Concrete: 0-1' Grout intervals: From 1 ft. to 12.5 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? \_\_\_\_\_ Distance from well? \_\_\_\_\_ ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Row 1: 0, 25, Sandy silt, , , . Row 2: 25, 34.5, Silty clay, , , .

Notes: KDHE ID: Stockton PWS 10 Target of monitoring well is shallow groundwater. <20' of grout was installed at the direction of KDHE.

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) 2/28/18 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 3/22/18 under the business name of Larsen & Associates, Inc. Signature \_\_\_\_\_

# Penco Engineering, P.A.

Jerol J. DeBoer, P.E.,  
President

Jordan G. Dettmer, P.E.  
Brandon R. Decker, P.E.  
Christopher R. Byer, L.S.

Tim Landers, CHMM  
6418 College Boulevard  
Overland Park, KS 66211

March 5, 2018

## SURVEYING FOR MONITORING WELLS EMR Project # E17-04-KS Project Name: Stockton PWS#10

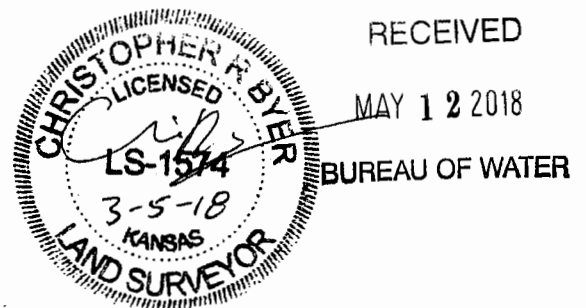
The above site is in Section 13 & 24, Township 7 South, Range 18 West of the Sixth Principal Meridian, City of Stockton, Rooks County, Kansas. The results of the field survey are as follows:

Well No.	Well Coordinates				Ground Elevation	Top of Casing Elevation	Date of Measurement
	Northing	Easting	Lat.	Long.			
MW-1	403544.5	951024.1	39.4343158	-99.2792381	1761.3	1760.98	3/1/2018
MW-2	403206.3	950988.8	39.4333860	-99.2793461	1760.8	1760.46	3/1/2018
MW-3	403392.0	951087.8	39.4338994	-99.2790047	1760.9	1760.52	3/1/2018
MW-4	403828.9	951222.3	39.4351040	-99.2785506	1769.4	1969.07	3/1/2018
MW-5	404087.7	951207.4	39.4358139	-99.2786162	1775.4	1775.05	3/1/2018
MW-6	404623.2	951521.9	39.4372961	-99.2775296	1780.2	1779.95	3/1/2018
MW-7	404138.3	952043.5	39.4359854	-99.2756587	1782.3	1781.85	3/1/2018
MW-8	403593.7	951896.9	39.4344844	-99.2761505	1777.4	1776.98	3/1/2018
MW-9	403217.6	951553.4	39.4334389	-99.2773480	1773.6	1773.27	3/1/2018
MW-15	404094.7	951590.9	39.4358480	-99.2772590	1779.5	1779.29	3/1/2018

**Datum**

Horizontal – NAD 83, Kansas State Plane, North Zone, US Feet

Vertical – NAVD 88



Christopher R. Byer, LS-1574

P.O. Box 392, 711 NW 3rd St., Plainville, KS 67663

Phone (785) 434-4611 Fax (785) 434-4612

Email: [penco@ruraltel.net](mailto:penco@ruraltel.net)

PROFESSIONAL ENGINEER—LAND SURVEYOR—LICENSED IN KANSAS

Road, Street and Bridge Design

Airport and Land Surveys

Water and Sewer Design



Note: Aerial image is from Google Earth Pro dated 9/28/17.

**FIGURE 2 -  
Current & Proposed  
Monitoring Well  
Location Map**

Current & Proposed Monitoring Well Location Map  
Stockton PWS #10  
Stockton, KS

DRAWN BY: JIL DATE: 1/31/18  
CHECKED BY: JAN. KDHE Proj. Code: CE-592-22880  
PROJECT NO. ET-04-KS KDHE WO No.: 05082728003EMR



RECEIVED



MAY 1 2 2018

BUREAU OF WATER

- LEGEND:**
- PUBLIC SUPPLY WELL
  - EXISTING MONITORING WELL
  - PROPOSED MONITORING WELL