

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

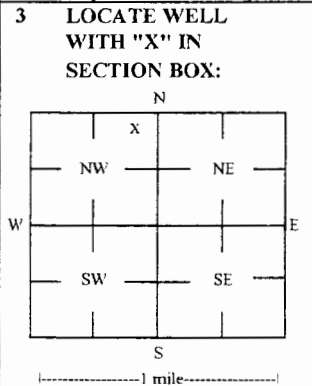
Well ID

MW5

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County, Rooks; Fraction SW 1/4, NE 1/4, NE 1/4, NW 1/4; Section Number 24; 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): 440' SW of S Cypress St & Main St., Stockton, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 35 ft; Depth(s) Groundwater Encountered: 1) 35 ft; 2) ft 3) ft, or 4) Dry Well; WELL'S STATIC WATER LEVEL: 21.05 ft; X below land surface, measured on (mo-day-yr) 02/27/18; 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: 39.4358139 (decimal degrees); Longitude: -99.2786162 (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 1775.05 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 Monitoring: well ID MW5; 6 Environmental Remediation: well ID; 7 Air Sparge; 8 Soil Vapor Extractor; 9 Recovery; 10 Injection; 11 Oil Field Water Supply: lease; 12 Test Hole: well ID; 13 Cased; 14 Uncased; 15 Geotechnical; 16 Geothermal: How many bores?; 17 a) Closed Loop; 18 Horizontal; 19 Vertical; 20 b) Open Loop; 21 Surface Discharge; 22 Inj. of Water; 23 Other (specify):

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

8 TYPE OF CASING USED: Steel PVC X Other; CASING JOINTS: Glued Clamped Welded X Threaded; Casing diameter 2 in. to 15 ft, Diameter in. to ft, Diameter in. to ft; Casing height above land surface -0.35 in. Weight lbs./ft. Well thickness or gauge No; TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC X Other (Specify); 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 35 ft. From ft. to ft. From ft. to ft.; GRAVEL PACK INTERVALS: From 13 ft. to 35 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 13 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: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show depth intervals from 0 to 35 feet with lithology descriptions like 'Sandy silt' and 'Sandy 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) 2/27/18 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

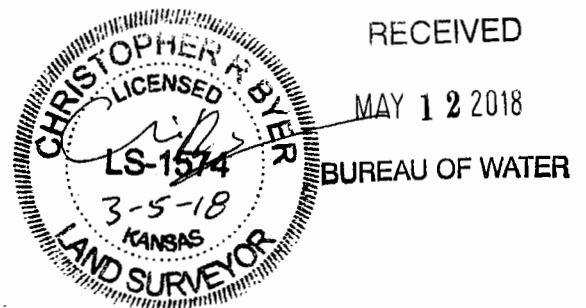
The above site is in Section 13 & 24, Township 7 South, Range 18 West of the Sixth Principal Meridian, City of Stockton, Rooks County, Kansas. The results of the field survey are as follows:

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

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.: EIT-04-KS KDHE WO No.: DS5922288003EMR






RECEIVED



MAY 1 2 2018

BUREAU OF WATER

LEGEND:

-  PUBLIC SUPPLY WELL
-  EXISTING MONITORING WELL
-  PROPOSED MONITORING WELL