

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

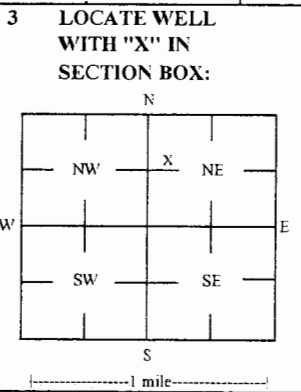
Well ID

MW8

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County, Rooks; Fraction, NE 1/4 SW 1/4 NW 1/4 NE 1/4; Section Number, 24; Township Number, T 7 S; Range Number, R 18 E 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: 90' E of S Spruce St. & S 2nd St., Stockton, KS



4 DEPTH OF COMPLETED WELL: 40 ft; Depth(s) Groundwater Encountered: 1) 40 ft; 2) 25.00 ft; WELL'S STATIC WATER LEVEL: 25.00 ft; below land surface, measured on (mo-day-yr) 02/28/18

5 Latitude: 39.4344844 (decimal degrees); Longitude: -99.2761505 (decimal degrees); Horizontal Datum: WGS 84 X NAD 83 NAD 27; Source for Latitude/Longitude: GPS (unit make/model)

6 Elevation: 1776.98 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 MW8; 6 Environmental Remediation: well ID; 7 Air Sparge, Soil Vapor Extractor, Recovery, Injection; 8 Oil Field Water Supply: lease; 9 Test Hole: well ID; 10 Cased, Uncased, Geotechnical; 11 Geothermal: How many bores?; 12 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 20 ft, Diameter in. to ft, Diameter in. to ft; Casing height above land surface -0.42 in. Weight lbs./ft. Well thickness or gauge No; TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass X PVC 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 20 ft. to 40 ft. From ft. to ft. From ft. to ft.; GRAVEL PACK INTERVALS: From 18 ft. to 40 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 18 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: 0-10 Silt, 10-15 Clay, 15-40 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) 2/28/18 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

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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

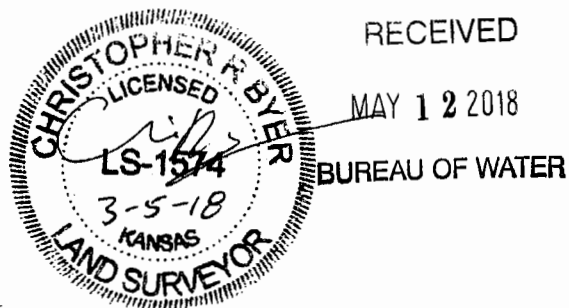
The above site is in Section 13 & 24, Township 7 South, Range 18 West of the Sixth Principal Meridian, City of Stockton, Rooks County, Kansas. The results of the field survey are as follows:

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



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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