

WATER WELL RECORD

Form WWC-5

Division of Water

Resources App. No.

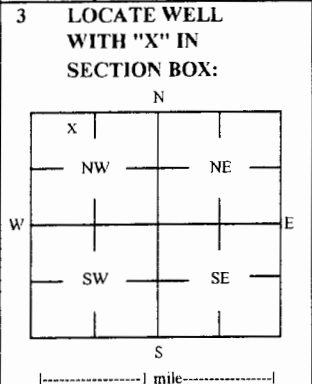
Well ID

MW2

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

1 LOCATION OF WATER WELL: County Butler Fraction NW 1/4 NE 1/4 NW 1/4 NW 1/4 Section Number 27 Township Number T 27 S Range Number R 4 [X] E [ ] W

2 WELL OWNER: Last Name: Business: KDHE Address: 1000 SW Jackson Blvd City: Topeka State: KS ZIP: 66046 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 715 W 7th St., Augusta, KS



4 DEPTH OF COMPLETED WELL: 25 ft Depth(s) Groundwater Encountered: 1) 25 ft 2) ft 3) ft, or 4) [ ] Dry Well WELLS STATIC WATER LEVEL: 11.41 ft [X] below land surface, measured on (mo-day-yr) 7/21/17 [ ] 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: 7.25 in to ft, and in to ft

5 Latitude: 37.67897 (decimal degrees) Longitude: 96.98713 (decimal degrees) Horizontal Datum: [ ] WGS 84 [ ] 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 1224.33 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 [ ] 3 [ ] 4 [ ] 5 [ ] Public Water Supply: well ID 6 [ ] Dewatering: how many wells? 7 [ ] Aquifer Recharge: well ID 8 [X] Monitoring: well ID MW2 9 Environmental Remediation: well ID [ ] Air Sparge [ ] Soil Vapor Extractor [ ] 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 [ ] 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 10 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.34 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 10 ft. to 25 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 8 ft. to 25 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 8 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 [X] Fuel Storage [ ] Abandoned Water Well [ ] Watertight Sewer Lines [ ] Seepage Pit [ ] Feedyard [ ] Fertilizer Storage [ ] Oil Well / Gas Well [ ] Other (Specify) Direction from well? E Distance from well? ~140 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show depth intervals and lithology: 0-0.4 Concrete, 0.4-1.5 Fill gravel, 1.5-15.5 Silty clay, 15.5-23 Sandy silt, 23-25 Shale, limestone fingers.

Notes: KDHE ID: Herbert Phillips Property 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) 7/18/17 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) 8/13/17 under the business name of Larsen & Associates, Inc. Signature

# DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-286-1990 Fax

Jess Chapman  
Larsen & Assoc.  
1311 E. 25<sup>th</sup> St., Suite B  
Topeka, Kansas 66046

August 3, 2017

RECEIVED

SEP 01 2017

BUREAU OF WATER

RE: Monitor Well Elevation Survey  
715 W. 7<sup>th</sup> St., Augusta, Kansas

Proj. 17-00X  
Herbert Phillips Property  
KDHE ID U2-008-14368

Bench Mark: Square cut on NW corner of concrete signal light sign base at the NE Corner of property.  
Elev.: 1224.71      North 5245      West 4338      (from SE Cor. Sec. 27-27-4E)

MW-1	rim	1224.90	North 5109	NW1/4,NE1/4,NW1/4,NW1/4
	top pipe	1224.48	West 4378	Lat = 37.67889    Long = 96.98666
MW-2	rim	1224.67	North 5140	NW1/4,NE1/4,NW1/4,NW1/4
	top pipe	1224.33	West 4520	Lat = 37.67897    Long = 96.98713
MW-3	rim	1226.08	North 5191	NW1/4,NE1/4,NW1/4,NW1/4
	top pipe	1225.39	West 4349	Lat = 37.67911    Long = 96.98656
MW-4	rim	1223.31	North 5225	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1222.97	West 4245	Lat = 37.67921    Long = 96.98620
MW-5	rim	1224.78	North 4990	NW1/4,NE1/4,NW1/4,NW1/4
	top pipe	1224.41	West 4352	Lat = 37.67856    Long = 96.98657
MW-6	rim	1224.98	North 4981	NW1/4,NE1/4,NW1/4,NW1/4
	top pipe	1224.64	West 4514	Lat = 37.67854    Long = 96.98713
MW-7	rim	1225.19	North 5212	NE1/4,NW1/4,NW1/4,NW1/4
	top pipe	1224.76	West 4564	Lat = 37.67917    Long = 96.98730
MW-8	rim	1223.33	North 5068	NE1/4,NW1/4,NW1/4,NW1/4
	top pipe	1222.89	West 4690	Lat = 37.67878    Long = 96.98773
MW-9	rim	1224.39	South 4585	NW1/4,SE1/4,NW1/4,NW1/4
	top pipe	1224.10	West 4626	Lat = 37.67745    Long = 96.98751

Lat & Long derived from Augusta 7.5' quad map. WGS84.

Elevation derived from USGS BM X-39 NAVD 88.

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

August 3, 2017  
Dennis L Handke, RLS  
LS-786

*Dennis L Handke*  
KANSAS  
LAND SURVEYOR