

WATER WELL RECORD Form WWC-5

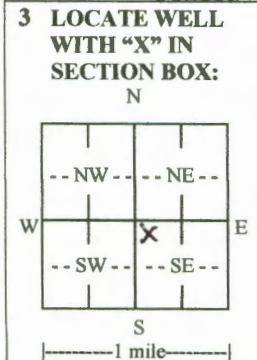
Division of Water Resources App. No.

Well ID MW-5

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Nemaha Fraction NW 1/4 NW 1/4 NW 1/4 SE 1/4 Section Number 34 Township Number T 2 S Range Number R 12 E W

2 WELL OWNER: Last Name: Seneca Coop Business: Seneca Coop Address: 304 Main Street City: Seneca State: KS ZIP: 66538 Street or Rural Address where well is located: 304 Main Street Seneca, KS 66538



4 DEPTH OF COMPLETED WELL: 35 ft. Depth(s) Groundwater Encountered: 1) 28 ft. 2) N/A ft. 3) N/A ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: 28.97 ft. below land surface, measured on (mo-day-yr) 11-8-2018

5 Latitude: 39.83397 (decimal degrees) Longitude: -96.06058 (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

6 Elevation: 1138.12 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock 2. Irrigation 3. Feedlot 4. Industrial 5. Public Water Supply: well ID 6. Dewatering: how many wells? 7. Aquifer Recharge: well ID 8. Monitoring: well ID MW-5 9. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction 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 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 20 ft. Diameter N/A in. to N/A ft. Diameter N/A in. to N/A ft. Casing height above land surface 0 in. Weight N/A 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 20 ft. to 35 ft. From N/A ft. to N/A ft. From N/A ft. to N/A ft. GRAVEL PACK INTERVALS: From 18 ft. to 35 ft. From N/A ft. to N/A ft. From N/A ft. to N/A ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete 0 to 2 Grout Intervals: From 2 ft. to 18 ft. From N/A ft. to N/A ft. From N/A ft. to N/A 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? East Distance from well? 125 ft.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Includes a 'Notes' section.

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) 10/31/2018 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 759 This Water Well Record was completed on (mo-day-year) 11/19/2018 under the business name of RAZEK Environmental, LLC. Signature

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, OWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

Nemaha

NW NW NW SE

34-2-12

Project Name/Project Number: Seneca Coop / B1709587.03		Log of Boring No. nw-5	
Boring Location Notes: west up gradient well		Surface Elevation: ~ 1137	Total Depth: 35
Drilling Contractor/Drilling Method: Razek / Rotary HST		Date/Time Started: 10/31/14 738	Date/Time finished: 834
Sampling Equipment (i.e., Macro-Core, split spoon):		Depth to Water: ~ 31'	Measuring Point: 9 and surface
Field Personnel: DR	Responsible Prof./Reg. No.:	Surface Cover (asphalt, concrete etc.) gravel	

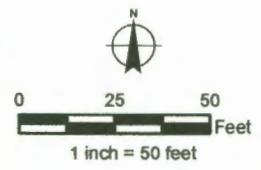
Depth (Feet)	Sample Recovery	PID (ppm)	DESCRIPTION Name (USCS Symbol), color, moist, grain size, amount of gravel, sand, or fines, plasticity, consistency, structure, inclusions or debris present, geologic interpretation (fill, native, till, lacustrine etc.)	Analytical Sample Interval	Remarks (odors, blow counts, debris, analytical sample IDs, temp well details etc.)
0-1			top soil + gravel		4-5 0.2
1-4			dark brown clay w/ silt very moist, low plasticity		9-10 0.0
4-8			brown clay, slightly moist, plastic firm		14-15 0.0
8-14			red brown clay, moist, soft, plastic		19-20 0.0
14-23			brown clay w/ silt, low plasticity moist, soft		24-25 0.0
23-31			Saturated cuttings @ 23' Sand, brown, very moist, fine to med grain, well graded sub rounded		29-30 0.0
31-35			Clayey sand, brown very moist soft		34-35 0.0





RECEIVED  
 DEC 14 2018  
 BUREAU OF WATER

- Soil Boring for Environmental
- Soil Boring for Geotechnical
- Monitoring Well
- Former Pump Islands
- Former Tank Basin
- Approximate Site Boundary
- Extent of Known Utilities
  - Gas
  - Overhead Electric
  - Sewer
  - Water
- Estimated Direction of Groundwater Flow
- Nemaha County Parcels
- Structure has a Basement
- Property Owner**
- Business Name**



**BRAUN INTERTEC**  
 The Science You Build On.  
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 785.414.7180  
 braunintertec.com

Project No:  
B1709587.03

Drawing No:  
B1709587-03\_AFig2.0

Drawn By: CMF  
 Date Drawn: 10/4/2018  
 Checked By: DR  
 Last Modified: 10/4/2018

Seneca Coop, Project Code: U4-066-00496

304 Main Street Seneca, Kansas

Project Code: U4-066-00496

**Area Base Map**

Figure 2.0