

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

[Empty box]

Well ID

MW-6

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Nemaha Fraction NE 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

3 LOCATE WELL WITH 'X' IN SECTION BOX: N W E S 1 mile

4 DEPTH OF COMPLETED WELL: 35 ft. Depth(s) Groundwater Encountered: 1) 27 ft. 2) N/A ft. 3) N/A ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: 27.84 ft. below land surface, measured on (mo-day-yr) 11-8-2018

5 Latitude: 39.83403 (decimal degrees) Longitude: -96.05990 (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: 1136.05 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-6 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? West Distance from well? 50 ft.

Table with 6 columns: 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) 10/30/2018 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

Nemaha

NE NW NW SE

34-2-12

Project Name/Project Number: Seneca Coop / B1709587.03		Log of Boring No. <i>MW-6</i>	
Boring Location Notes: <i>drive entrance to barn</i>		Surface Elevation: <i>~ 1136</i>	Total Depth: <i>35'</i>
Drilling Contractor/Drilling Method: <i>Razek Rotary HSA</i>		Date/Time Started: <i>10/30/16 745</i>	Date/Time finished: <i>- 850</i>
Sampling Equipment (i.e., Macro-Core, split spoon):		Depth to Water: <i>~ 27'</i>	Measuring Point: <i>ground surface</i>
Field Personnel: <i>DL</i>	Responsible Prof./Reg. No.:	Surface Cover (asphalt, concrete etc.) <i>concrete</i>	

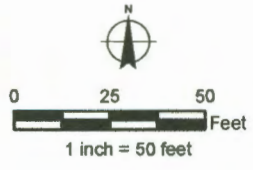
Depth (Feet)	Sample Recovery	PID (ppm)	DESCRIPTION Name (USCS Symbol), color, moist, grain size, amount of gravel, sand, or fines, plasticity, consistency, structure, inclusions or debris present, geologic interpretation (fill, native, till, lacustrine etc.)	Analytical Sample Interval	Remarks (odors, blow counts, debris, analytical sample IDs, temp well details etc.)
0-0.5			concrete		4-5 0.0
0.5-9			brn clay, plastic, moist, soft		9-10 0.1
9-12			red brn clay, low plasticity, moist, firm		14-15 0.0
12-22			brn clay with silt, moist, soft		19-20 0.0
22-24			silty sand, fine to med grain, sub rounded, moist		24-25 0.4
24-27			brn clay, moist, soft, some silt, low plasticity		26-27 0.0
			- saturated @ 27' with petro odor		
27-35			red brown clay with fine sand, saturated		
			measured TO to 31' BGS		





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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Topeka, KS 66609
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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