

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

MW-22

Original Record Correction Change in Well Use

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

2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: 150 ft east of N. 7th St. in alley between North St. and Branch St. in Seneca

3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S

4 DEPTH OF COMPLETED WELL: 35 ft. Depth(s) Groundwater Encountered: 1) 2) 3) 4) Dry Well WELL'S STATIC WATER LEVEL: 22.4 ft. below land surface, measured on (mo-day-yr) 1/28/19

5 Latitude: 39.84078 (decimal degrees) Longitude: 96.06477 (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: 1137.37 ft. Ground Level TOC Source: 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 MW-22 6. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction Recovery Injection 7. Oil Field Water Supply: lease 8. Test Hole: well ID Cased Uncased Geotechnical 9. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water 10. 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 in. to ft., Diameter in. to ft. Casing height above land surface in. Weight lbs./ft. Wall thickness or gauge No. TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) 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 ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 18 ft. to 35 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 3 ft. to 16 ft., From 16 ft. to 18 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) Coastal Mart #9100, U4-066-10768 Direction from well? North Distance from well? 100 ft.

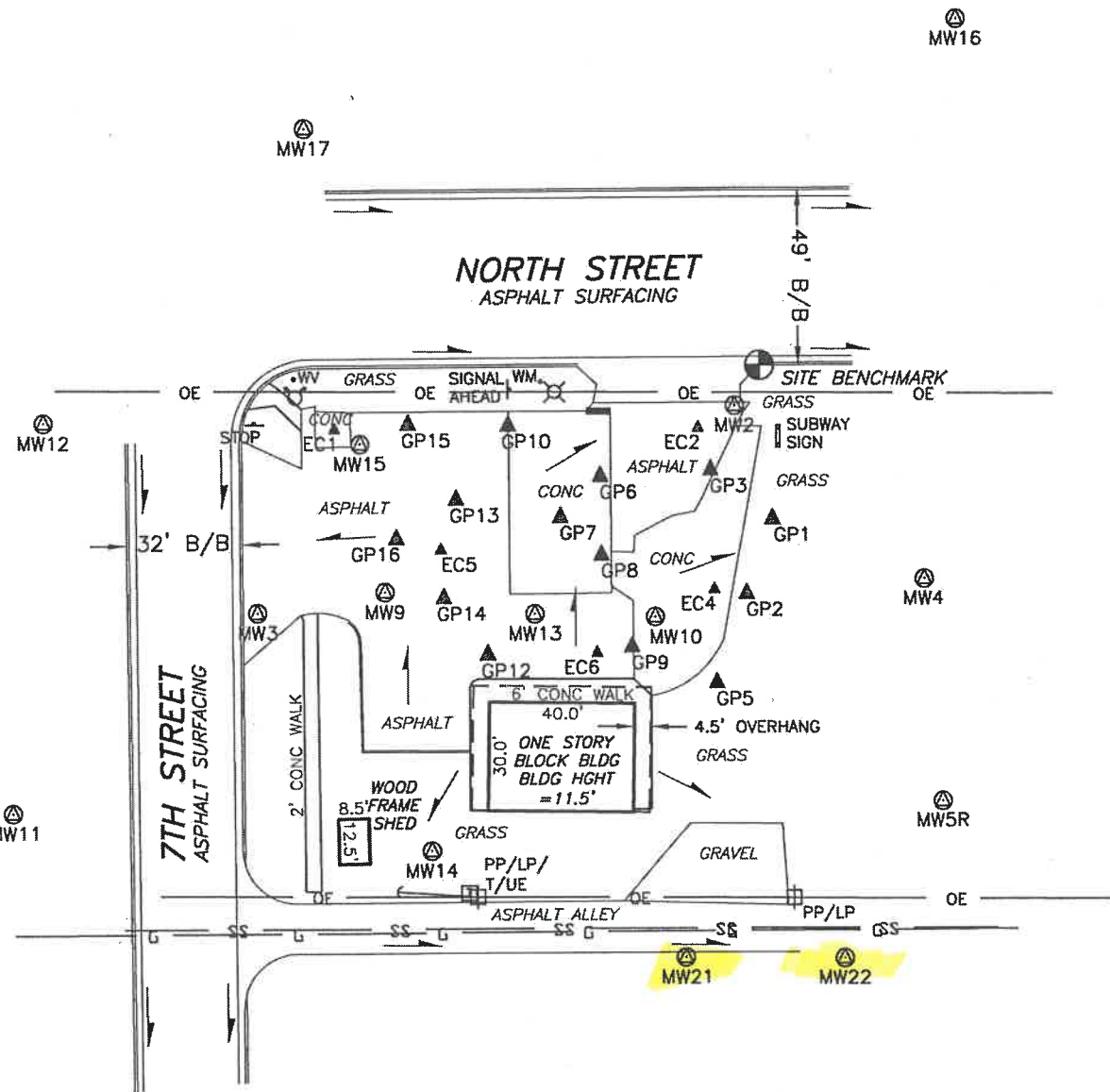
10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

Notes: Coastal Mart #9100, U4-066-10768

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 1/28/19 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 585 This Water Well Record was completed on (mo-day-year) 2/14/19 under the business name of Associated Environmental, Inc. Signature

# FULL SITE SURVEY

Coastal Mart #9100  
City of Seneca, Nemaha County, Kansas

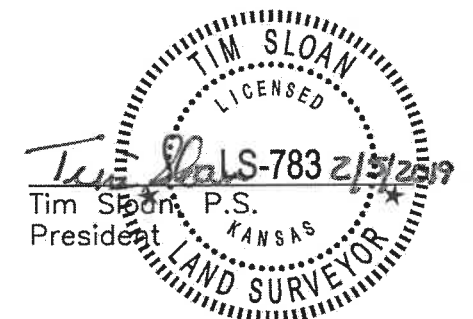


Point	North Coordinate	East Coordinate	Distance From SE Cor. North	From Sec. 34 West	* Elev. Top of Rim or PK Nail	Elev. Top of PVC Pipe	Latitude North	Longitude West
SE Cor. Sec. 34-T02S-R12E	5000	5000						
Well - M.W. - 2	10195.07	1432.68	5195.07	3567.32	1138.93	1138.78	39.84120	96.06488
Well - M.W. - 3	10138.18	1300.80	5138.18	3699.20	1139.43	1139.26	39.84104	96.06535
Well - M.W. - 4	10147.42	1484.94	5147.42	3515.06	1136.72	1136.51	39.84106	96.06465
Well - M.W. - 5R	10086.00	1490.03	5086.00	3509.97	1136.20	1135.95	39.84087	96.06465
Well - M.W. - 6	10167.19	1614.97	5167.19	3385.03	1135.03	1134.80	39.84112	96.06424
Well - M.W. - 8R	10270.04	1592.73	5270.04	3407.27	1136.22	1135.92	39.84141	96.06424
Well - M.W. - 9	10143.71	1336.00	5143.71	3664.00	1140.14	1139.74	39.84106	96.06523
Well - M.W. - 10	10136.88	1410.62	5136.88	3589.38	1139.97	1139.09	39.84106	96.06494
Well - M.W. - 11	10082.86	1233.28	5082.86	3766.72	1140.27	1139.45	39.84089	96.06559
Well - M.W. - 12	10190.47	1241.91	5190.47	3758.09	1141.79	1140.96	39.84119	96.06556
Well - M.W. - 13	10137.83	1377.37	5137.83	3622.63	1140.33	1140.13	39.84104	96.06508
Well - M.W. - 14	10072.12	1348.88	5072.12	3651.12	1138.42	1137.90	39.84086	96.06518
Well - M.W. - 15	10184.69	1329.15	5184.69	3670.85	1140.48	1140.04	39.84117	96.06525
Well - M.W. - 16	10301.28	1493.73	5301.28	3506.27	1137.91	1137.50	39.84149	96.06446
Well - M.W. - 17	10271.71	1313.73	5271.71	3686.27	1141.16	1140.87	39.84141	96.06530
Well - M.W. - 18	9888.12	1376.13	4888.12	3623.87	1134.69	1134.20	39.84035	96.06509
Well - M.W. - 19	9888.89	1514.28	4888.89	3485.72	1132.00	1131.37	39.84036	96.06459
Well - M.W. - 20	10038.25	1613.86	5038.25	3386.14	1133.34	1133.04	39.84076	96.06424
Well - M.W. - 21	10042.82	1418.84	5042.82	3581.16	1138.59	1137.69	39.84078	96.06493
Well - M.W. - 22	10042.58	1463.04	5042.58	3536.96	1138.06	1137.37	39.84078	96.06477
EC Probe - EC1	10188.84	1322.07	5188.84	3677.93				
EC Probe - EC2	10188.95	1422.44	5188.95	3577.56				
EC Probe - EC4	10144.38	1427.06	5144.38	3572.94				
EC Probe - EC5	10155.53	1351.60	5155.53	3648.40				
EC Probe - EC6	10126.95	1394.50	5126.95	3605.50				
Soil Boring - GP1	10164.15	1443.09	5164.15	3556.91				
Soil Boring - GP2	10143.32	1435.94	5143.32	3564.06				
Soil Boring - GP3	10177.45	1425.99	5177.45	3574.01				
Soil Boring - GP5	10118.70	1427.73	5118.70	3572.27				
Soil Boring - GP6	10175.76	1395.35	5175.76	3604.65				
Soil Boring - GP7	10164.48	1384.25	5164.48	3615.75				
Soil Boring - GP8	10154.06	1395.72	5154.06	3604.28				
Soil Boring - GP9	10128.72	1404.38	5128.72	3595.62				
Soil Boring - GP10	10189.75	1370.06	5189.75	3629.94				
Soil Boring - GP12	10126.62	1364.43	5126.62	3635.57				
Soil Boring - GP13	10169.39	1355.80	5169.39	3644.20				
Soil Boring - GP14	10142.33	1352.38	5142.33	3647.62				
Soil Boring - GP15	10190.13	1342.50	5190.13	3657.50				
Soil Boring - GP16	10158.63	1339.29	5158.63	3660.71				
Site B.M.	10191.00	1323.00	5191.00	3677.00		B.M. Elev. = 1140.99		

Description: "□" cut on northeast corner of concrete sign base at northeast corner of Subway.

## LEGEND

- SITE BENCHMARK
- MONITOR WELL LOCATION
- PROBE LOCATION
- SOIL BORING LOCATION
- POWER POLE / LIGHT POLE
- POWER POLE / LIGHT POLE W/ TRANSFORMER & UNDERGROUND ELECTRIC
- DEADMAN ANCHOR
- LIGHT POLE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- TELEPHONE PEDESTAL
- DRAINAGE DIRECTION
- B/B BACK TO BACK OF CURB
- OVERHEAD ELECTRIC LINE
- SANITARY SEWER LINE
- GAS LINE



**SMH**  
CONSULTANTS

2017 Vanesta Place, Suite 110 • Manhattan, Kansas 66503  
(785) 776-0541 • FAX 776-9760 • Email: tim@smhconsultants.com

Project #1901MN1024 DD #114

SCALE: 1"=50'



RECEIVED  
FEB 26 2019  
BUREAU OF WATER