

**WATER WELL RECORD Form WWC-5**

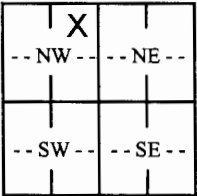
Division of Water Resources App. No.

Well ID MW-21

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

**2 WELL OWNER:** Last Name: El Paso Remediation Company 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:   
 Business: El Paso Remediation Company Address: 2 North Nevada Ave 100 ft east of N. 7th St. in alley between North St. and Branch St. in Seneca  
 Address:  City: Colorado Springs State: CO ZIP:

**3 LOCATE WELL WITH "X" IN SECTION BOX:** N  
  
 W E  
 S  
 -----1 mile-----

**4 DEPTH OF COMPLETED WELL:** ..... 45 ..... ft.  
 Depth(s) Groundwater Encountered: 1) ..... ft.  
 2) ..... ft. 3) ..... ft., or 4)  Dry Well  
 WELL'S STATIC WATER LEVEL: ..... 27 ..... ft.  
 below land surface, measured on (mo-day-yr) 1/28/19.....  
 above land surface, measured on (mo-day-yr).....  
 Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm  
 Well water was ..... ft. after ..... hours pumping ..... gpm  
 Estimated Yield: ..... gpm  
 Bore Hole Diameter: 8.25 in. to 45 ft. and ..... in. to ..... ft.

**5 Latitude:** ..... 39.84078 ..... (decimal degrees)  
**Longitude:** ..... 96.06493 ..... (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:** 1137.69 ..... 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-21.....

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 30 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) .....  
 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 30 ft. to 45 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From 28 ft. to 45 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....  
 Grout Intervals: From 3 ft. to 26 ft., From 26 ft. to 28 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.

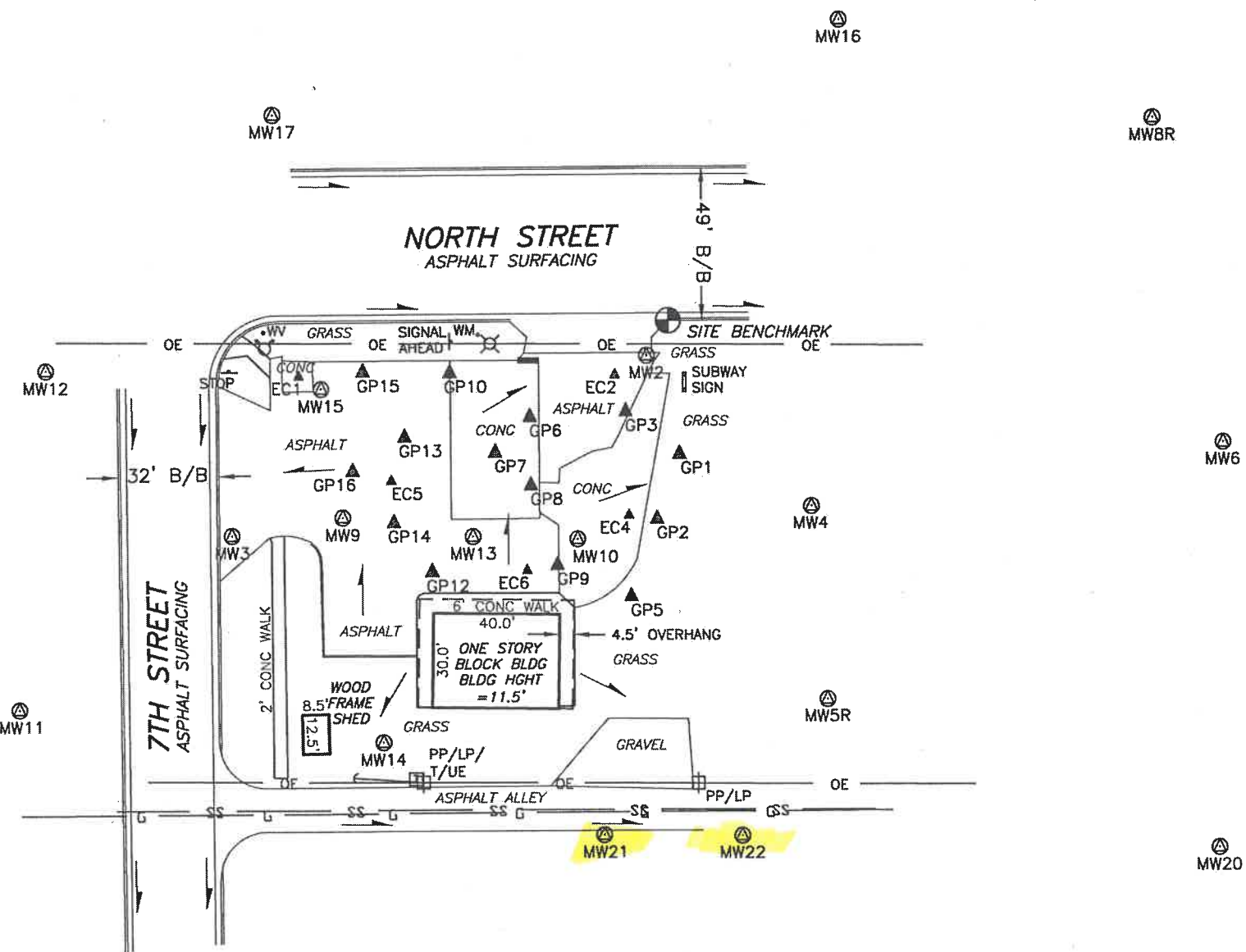
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Top soil/grass			
0.5	25	Clay, some silt, dk brn to brn			
25	30	Sand, clayey, crs grain, brn			
30	45	Clay, sandy crs grain, brn			
45	TD	Bedrock refusal			

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

**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) 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 [Signature].....

# FULL SITE SURVEY

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

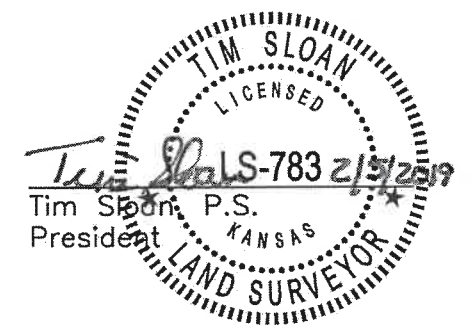


Point	North Coordinate	East Coordinate	Distance From SE Cor. North	From Sec. 34 West	* Elev. Top of Rim or PK Nail	Elev. Top of PVC Pipe	Latitude North	Longitude West
SE Cor. Sec. 34-T02S-R12E	5000	5000						
Well - M.W. - 2	10195.07	1432.68	5195.07	3567.32	1138.93	1138.78	39.84120	96.06488
Well - M.W. - 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.

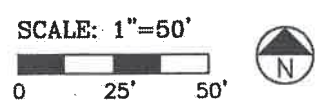
## LEGEND

- 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
- OE OVERHEAD ELECTRIC LINE
- SS SANITARY SEWER LINE
- G 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



RECEIVED  
FEB 26 2019  
BUREAU OF WATER