

WATER WELL RECORD Form WWC-5

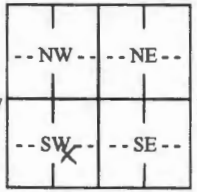
Division of Water Resources App. No.

Well ID MW3

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Seward	Fraction SE ¼ NW ¼ SE ¼ SW ¼	Section Number 31	Township Number T 34 S	Range Number R 33 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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2 WELL OWNER: Last Name: Kansas Dept of Health & Environment Business: 1000 SW Jackson Street Address: Topeka City: Topeka State: KS ZIP: 66612-1367	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: <input type="checkbox"/> ~220' N & 40' W of 3rd & Terminal, Liberal
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3 LOCATE WELL WITH "X" IN SECTION BOX: 	4 DEPTH OF COMPLETED WELL: 250 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 202.54 ft. <input type="checkbox"/> below land surface, measured on (mo-day-yr) 8/7/2019 <input type="checkbox"/> 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: 8.75 in. to 256 ft. and in. to ft.	5 Latitude: 37.04157 (decimal degrees) Longitude: -100.95178 (decimal degrees) Horizontal Datum: <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model:) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper:
		6 Elevation: 2868.39 ft. <input checked="" type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock 2. <input type="checkbox"/> Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID 6. <input type="checkbox"/> Dewatering: how many wells? 7. <input type="checkbox"/> Aquifer Recharge: well ID 8. <input checked="" type="checkbox"/> Monitoring: well ID MW3 9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease 11. Test Hole: well ID <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12. Geothermal: how many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water 13. <input type="checkbox"/> Other (specify):
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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 **4** in. to **230** ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface **3.96** in. Weight lbs./ft. Wall thickness or gauge No. **Sch. 80**

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 **230** ft. to **250** ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From **226** ft. to **255** ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other **Concrete**

Grout Intervals: From **0** ft. to **1** ft., From **1** ft. to **226** 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)

Direction from well? Distance from well? ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	17	Clay, Dark Grayish Brown	152	161	Clay, tr. vf-f sand, calcareous
17	31	Sand, vf-m, some coarse, calcareous	161	168	Sand, m-c, some vf-f, calcareous
31	50	Sand, vf-f, some m-c	168	202	Sand, clayey, vf-f, tr. m, calcareous
56	68	Sand, clayey, vf-f, tr. m-c, calc.	202	233	Sand, f-c, some vf, calcareous
68	81	Sand, bcmg vf-m, some c	233	242	Sand, clayey, vf-m, some c, calcareous
81	97	Sand, vf-m, some c	242	256	Sand, vf-f, some m, tr. c
97	109	Sand, clayey, vf-m, some c	Notes:		
109	142	Sand, clayey, vf-f, some m and c			
142	152	Clay, sandy (vf-f, tr. m-c), calcareous			

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) **7/30/2019** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **527** This Water Well Record was completed on (mo-day-year) **9/5/2019** under the business name of **GeoCore, LLC** Signature *[Signature]*

S31-T34-R33



2nd and General Welch Site, Liberal, Kansas
(for Golder Associates, Inc.)

GPS Coordinates: MW3: 37.04157, -100.95178
MW6: 37.03914, -100.94580

MW4: 37.03954, -100.95111
MW7: 37.03766, -100.94794

MW5: 37.04094, -100.94773

RECEIVED
SEP 23 2019
BUREAU OF WATER