

# WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

Division of Water  
Resources App. No.

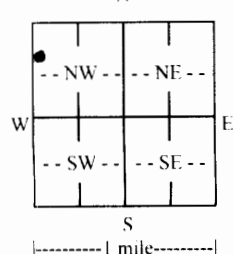
Well ID

Well # 4

**1 LOCATION OF WATER WELL:**  
County: REPUBLIC Jewell Fraction NW 1/4 SW 1/4 NW 1/4 Section Number 23 Township Number T 1 S Range Number R 6 E W

**2 WELL OWNER:** Last Name (Kas Dr) SW First  
Business: REPUBLIC COUNTY RWD #1  
Address:  
Address: P O BOX 41  
City: COURTLAND State: KS ZIP: 66939  
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: ☐  
4 1/2 MILES EAST AND 1 3/4 NORTH OF WEBBER KANSAS

**3 LOCATE WELL WITH "X" IN SECTION BOX:**  
N



**4 DEPTH OF COMPLETED WELL:** 97.5 ft.  
Depth(s) Groundwater Encountered: 1) 40.61 ft.  
2) 43 ft. 3) 11/20/2017 or 4) ☐ Dry Well  
WELL'S STATIC WATER LEVEL: 40.61 ft.  
☒ below land surface, measured on (mo-day-yr) 11/20/2017  
☐ above land surface, measured on (mo-day-yr) 11/20/2017  
Pump test data: Well water was 43 ft.  
after 2 hours pumping 385 gpm  
Well water was 43 ft.  
after 2 hours pumping 385 gpm  
Estimated Yield: 20 gpm  
Bore Hole Diameter: 20 in. to 97.5 ft. and 20 in. to 97.5 ft.

**5 Latitude:** 39.954130 (decimal degrees)  
**Longitude:** -97.968647 (decimal degrees)  
**Horizontal Datum:** ☐ WGS 84 ☐ NAD 83 ☒ NAD 27  
**Source for Latitude/Longitude:**  
☒ GPS (unit make/model: Garmin)  
(WAAS enabled? ☐ Yes ☐ No)  
☐ Land Survey ☐ Topographic Map  
☐ Online Mapper: Google Earth

**6 Elevation:** 1603 ft. ☒ Ground Level ☐ TOC  
**Source:** ☐ Land Survey ☒ GPS ☐ Topographic Map  
☐ Other Google Earth

**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 WELL 4  
6. ☐ Dewatering: how many wells? 1  
7. ☐ Aquifer Recharge: well ID 1  
8. ☐ Monitoring: well ID 1  
9. Environmental Remediation: well ID 1  
☐ Air Sparge ☐ Soil Vapor Extraction  
☐ Recovery ☐ Injection  
10. ☐ Oil Field Water Supply: lease 1  
11. Test Hole: well ID 1  
☐ Cased ☐ Uncased ☐ Geotechnical  
12. Geothermal: how many bores? 1  
a) Closed Loop ☐ Horizontal ☐ Vertical  
b) Open Loop ☐ Surface Discharge ☐ Inj. of Water  
13. ☐ Other (specify): 1

Was a chemical/bacteriological sample submitted to KDHE? ☐ Yes ☒ No If yes, date sample was submitted: 11/20/2017  
Water well disinfected? ☒ Yes ☐ No

**8 TYPE OF CASING USED:** ☐ Steel ☒ PVC ☐ Other 1 CASING JOINTS: ☐ Glued ☒ Clamped ☐ Welded ☐ Threaded  
Casing diameter 12 in. to 57.5 ft. Diameter 12 in. to 57.5 ft. Diameter 12 in. to 57.5 ft.  
Casing height above land surface 12 in. Weight 18.45 lbs./ft. Wall thickness or gauge No. 750

**TYPE OF SCREEN OR PERFORATION MATERIAL:**  
☐ Steel ☒ Stainless Steel ☐ Fiberglass ☐ PVC ☐ Other (Specify) 1  
☐ 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) 1  
☐ Louvered Shutter ☐ Key Punched ☒ Wire Wrapped ☐ Saw Cut ☐ None (Open Hole)

**SCREEN-PERFORATED INTERVALS:** From 57.5 ft. to 97.5 ft. From 57.5 ft. to 97.5 ft. From 57.5 ft. to 97.5 ft.  
**GRAVEL PACK INTERVALS:** From 21 ft. to 97.5 ft. From 21 ft. to 97.5 ft. From 21 ft. to 97.5 ft.

**9 GROUT MATERIAL:** ☐ Neat cement ☐ Cement grout ☒ Bentonite ☐ Other 1  
Grout Intervals: From 0 ft. to 21 ft. From 21 ft. to 97.5 ft. From 21 ft. to 97.5 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) 1  
Direction from well? 1 Distance from well? 1 ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	TOP SOIL	97	97.5	YELLOW SHALE - WEATHERED
2	15	TAN CLAY	97.5	98.8	BLACK SHALE
15	17	DARK BROWN CLAY			
17	40	BROWN CLAY			
40	52	BROWN SAND WITH SOME GRAVEL			
52	60	FINE TO COARSE TAN SAND			
60	72	GRAY SAND F-C, GRAVEL F-M			
72	83	BROWN SAND F-C, GRAVEL FINE			
83	97	TAN SAND F-C, GRAVEL FINE			

Notes: CASED AT 97.5 FT.

**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) 11/20/2017 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 480 This Water Well Record was completed on (mo-day-year) 06/08/2018 under the business name of Williams Drilling Co., Inc. Signature Don Williams

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, GWTS 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.  
Visit us at [www.kansas.gov/waterweb/index.html](http://www.kansas.gov/waterweb/index.html) KSA 82a-1212 Revised 7/10/2015

Jewell

23-1-6W



20 Nov 2017

Republic Co. RWD #1

Well 4      1284' S & 245' E of NW cor. Section 23, T1S, R6W  
GPS N 39° 57.237' W 97° 58.120' (datum: NAD27)

Elev 1603'

SWL 40.61'

0 - 2'	Top Soil
1 - 15	Clay tan
15 - 17	Clay dk br
17 - 40	Clay br
40 - 52	Sand br, f - c, gravel f-m
52 - 60	Sand tan, f-c
60 - 72	Sand gy, f-c, gravel f-m
72 - 83	Sand br, f-c, gravel f
83 - 97	Sand tan, f-c, gravel f
97 - 97.5	Shale, yel, weathered
97.5 - 98.8	Shale, black

Set 12" PVC 0.070" SS slot screen 57.5' - 97.5'

Logged by Brad Vincent, Ground Water Associates

Jewell

23-1-6W



**Ground Water Associates**  
**109 W. 1st, P.O. Box 792**  
**Goddard, KS 67052**

# **Pumping Test - Water Level Data**

Page 1 of 1

Project: Republic Co. RWD #1

Number: Well 4

Client:

Location: NW 1/4 Sec 2, T1S, R6W

Pumping Test: Step Test

Pumping well: Well 4

Test conducted by: Ground Water Associates

Test date: ~~12/29/17~~ 11/29/17

Discharge: variable, average rate 376.05 [U.S. gal/min]

Observation well: Well 4

Static water level [ft]: 40.64

Radial distance to PW [ft]: -

	Time [min]	Water Level [ft]	Drawdown [ft]
1	3	42.01	1.37
2	8	42.03	1.39
3	15	42.04	1.40
4	20	42.06	1.42
5	25	42.05	1.41
6	35	42.06	1.42
7	45	42.05	1.41
8	50	42.82	2.18
9	60	42.83	2.19
10	70	42.83	2.19
11	80	42.85	2.21
12	90	42.85	2.21
13	100	43.44	2.80
14	120	43.47	2.83
15	135	43.50	2.86

256 gpm

385 gpm

488 gpm