

**WATER WELL RECORD Form WWC-5**

Original Record  Correction  Change in Well Use

Division of Water Resources App. No.

Well ID

**1 LOCATION OF WATER WELL:** County: NEMAHA Fraction NE 1/4 SW 1/4 SW 1/4 Section Number 16 Township Number T 1 S Range Number R 13 E

**2 WELL OWNER:** Last Name: CITY OF BERN First: 320 MAIN STREET 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:  400 SOUTH WEST OF WATER TOWER IN BERN  
 Address: BERN State: KS ZIP: 66408

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

N

--NW--		--NE--	
W			E
--SW--		--SE--	
S			

|-----1 mile-----|

**4 DEPTH OF COMPLETED WELL:** 114 ft.  
 Depth(s) Groundwater Encountered: 1) ..... ft. 2) ..... ft. 3) ..... ft., or 4)  Dry Well  
 WELL'S STATIC WATER LEVEL: 88 ft.  
 below land surface, measured on (mo-day-yr).....  
 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: 10 gpm  
 Bore Hole Diameter: 6 in. to 120 ft. and ..... in. to ..... ft.

**5 Latitude:** 39.57.586 (decimal degrees)  
**Longitude:** 95.58.426 (decimal degrees)  
 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:** ..... ft.  Ground Level  TOC  
**Source:**  Land Survey  GPS  Topographic Map  
 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 type="checkbox"/> Monitoring: well ID ..... 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 checked="" 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 2 in. to 1.04 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface 24 in. Weight 5.70 lbs./ft. Wall thickness or gauge No. 0.154  
**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 104 ft. to 114 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From 20 ft. to 114 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....  
 Grout Intervals: From 0 ft. to 20 ft., From ..... ft. to ..... 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? EAST Distance from well? 150' ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	3	TOPSOIL	71	75	SAND (FINE-COURSE/BROWN)
3	19	BROWN CLAY	75	80	GRAY CLAY
19	35	YELLOW TAN CLAY/PERBLES	80	102	SAND (GRAY/FINE)
35	37	YELLOW TAN CLAY/SAND (FINE-MED)	102	113	SAND (FINE/BROWN)
37	51	YELLOW TAN CLAY & PERBLES	112	113 1/2	ROCK
51	52	ROCK & YELLOW CLAY	113 1/2	114	SAND (FINE/BROWN)
52	60	GRAY CLAY	Notes: 114 - 120 GRAY SHALE		
60	64	GRAY CLAY/SAND (FINE-COURSE)			
64	71	GRAY CLAY			

**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-yr) 1/23/13 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 518 This Water Well Record was completed on (mo-day-yr) 1/13/13 under the business name of BLUE VALLEY DRILLING INC.