

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: NEMAH Fraction: NE 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: BERN 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: SOUTH WEST CORNER OF BERN
 Business: CITY OF BERN Address: 320 MAIN STREET City: 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: 116 ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) Dry Well
 WELL'S STATIC WATER LEVEL: 93 1/2 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: 20 gpm
 Bore Hole Diameter: 12 in. to 118 ft. and in. to ft.

5 Latitude: (decimal degrees) **Longitude:** (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:

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	5. <input checked="" type="checkbox"/> Public Water Supply: well ID	10. <input type="checkbox"/> Oil Field Water Supply: lease
2. <input type="checkbox"/> Irrigation	6. <input type="checkbox"/> Dewatering: how many wells?	11. Test Hole: well ID <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID	12. Geothermal: how many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
4. <input type="checkbox"/> Industrial	8. <input type="checkbox"/> Monitoring: well ID	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> 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 5 in. to 91 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface 18 in. Weight 3.5 lbs./ft. Wall thickness or gauge No. 0.327
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 91 ft. to 116 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 26 ft. to 116 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
 Grout Intervals: From 5 ft. to 20 ft., From 80 ft. to 85 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? 100' ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	3	TOP SOIL	71	75	SAND (FINE-COURSE/BROWN)
3	19	BROWN CLAY	75	80	GRAY CLAY
19	35	YELLOW & TAN CLAY & PERLES	80	102	SAND (GRAY/FINE)
35	37	YELLOW & TAN CLAY & SAND	102	113	SAND (FINE/BROWN)
37	51	YELLOW & TAN CLAY & PERLES	113	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			
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-year) 4/14/13 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-year) 4/20/13 under the business name of BLUE VALLEY DRILLING INC.