

WATER WELL RECORD

Form WWC-5

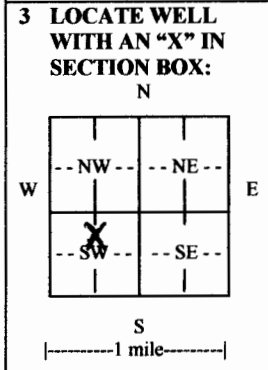
Division of Water Resources App. No.

21,765

1 LOCATION OF WATER WELL: County: Kearny Fraction 1/4 1/4 NC 1/4 SW 1/4 Section Number 25 Township No. T 25 S Range Number R 35 []E [x]W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here []. Approx. 10 miles SE of Deerfield, KS Global Positioning System (GPS) information: Latitude: .37.84799 Longitude: 101.11724 Elevation: 2980 Datum: [] WGS 84, [] NAD 83, [x] NAD 27 Collection Method: [x] GPS unit (Make/Model: Magel/Triton 300) [] Digital Map/Photo, [] Topographic Map, [] Land Survey Est. Accuracy: [] <3 m, [] 3-5 m, [] 5-15 m, [] >15 m

2 WATER WELL OWNER: Wheatland Water Treatment RR#, Street Address, Box #: P.O. Box 953 City, State, ZIP Code : Garden City, KS 67846



3 LOCATE WELL WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL 516 ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 243..... ft. below land surface measured on mo/day/yr. 4/31/10..... Pump test data: Well water was 399..... ft. after 49'..... hours pumping 1000..... gpm EST. YIELD..... gpm. Well water was..... ft. after..... hours pumping..... gpm Bore Hole Diameter 36..... in. to 516..... ft., and..... in. to..... ft. WELL WATER TO BE USED AS: [] Public water supply [] Geothermal [] Injection well [] Domestic [] Feedlot [] Oil field water supply [] Dewatering [] Other (Specify below) [x] Irrigation [] Industrial [] Domestic-lawn & garden [] Monitoring well Was a chemical/bacteriological sample submitted to Department? [] Yes [x] No If yes, mo/day/yr sample was submitted..... Water well disinfected? [x] Yes [] No

5 TYPE OF CASING USED: [x] Steel [] PVC [] Other CASING JOINTS: [] Glued [] Clamped [x] Welded [] Threaded Casing diameter .16..... in. to .516..... ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft. Casing height above land surface .12..... in., Weight 42.09..... lbs./ft., Wall thickness or gauge No. 250 TYPE OF SCREEN OR PERFORATION MATERIAL: [x] Steel [] Stainless Steel [] PVC [] Other (Specify) [] Brass [] Galvanized Steel [] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [x] Continuous slot [] Mill slot [] Gauze wrapped [] Torch cut [] Drilled holes [] None (open hole) [] Louvered shutter [] Key punched [x] Wire wrapped [] Saw cut [] Other (specify) SCREEN-PERFORATED INTERVALS: From 260..... ft. to 300..... ft., From 318..... ft. to 338..... ft. From 366..... ft. to 406..... ft., From 441..... ft. to 511..... ft. GRAVEL PACK INTERVALS: From 20..... ft. to 305..... ft., From 305..... ft. to 516..... ft. From..... ft. to..... ft., From..... ft. to..... ft.

6 GROUT MATERIAL: [] Neat cement [] Cement grout [x] Bentonite [] Other Grout Intervals: From 0..... ft. to 20..... ft., From..... ft. to..... ft., From..... ft. to..... ft. What is the nearest source of possible contamination: [] Septic tank [] Lateral lines [] Pit privy [] Livestock pens [] Insecticide storage [] Other (specify below) [] Sewer lines [] Cesspool [] Sewage lagoon [] Fuel storage [] Abandoned water well [] Watertight sewer lines [] Seepage pit [] Feedyard [] Fertilizer storage [] Oil well/gas well Direction from well..... Distance from well.....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		SEE ATTACHED LOG			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [x] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo/day/year) 4/31/10..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145..... This Water Well Record was completed on (mo/day/year) 5/12/10..... under the business name of Hydro Resources/Henkle Drilling..... by (signature).....

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.

Henkle

DRILLING & SUPPLY CO., INC.

A Hydro Resources Company

3795 W. Jones Ave.
620-277-2389
FAX 620-277-0224

PERRY SMITH CELL 620-271-4424

P.O. Box 639
GARDEN CITY, KS 67846

CUSTOMER'S NAME: WHEATLAND WATER TREATMENT DATE: 3-1-10
 STREET ADDRESS: PO Box 953 TEST # 1 E. LOG Yes
 CITY & STATE: GARDEN CITY, KS 67846 DRILLER: Dave Farris
 COUNTY: Keosau QUARTER: SW SECTION: 25 TOWNSHIP: 25 RANGE: 35
 LOCATION: Farm old well - 300 N 36" HOLE
G.P.S. 37.84799°N 101.11724°W Elev. 2986

Possible Well Corrosion

%	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL: <u>230</u>
	From	Pay	To		Proposed Well Depth: <u>516</u>
	0		17	Blow Sand	
	11		35	Fine sand, fine cemented, fine clay	
	35		95	Sand, fine to med, coarse, small to large gravel, fine rubblestone	
	95		107	Brassy Clay (Stiff, grey)	
	107		176	Sand, fine to med, coarse, small to med gravel	
	176		185	Brassy Clay	
	185		221	Sand, fine to med, coarse, some clays	
	221		238	Brassy Clay (Stiff, grey)	
30%	238	42	280	Sand, fine to med, coarse, fine small gravel	
35%	280	21	301	Sand, fine to med, coarse, small to fine gravel	
	301	19	320	Brassy white clay, fine limestone	
10%	320	17	337	Sand, fine to some small, some thin gravel	
	337	4	383	Brassy Clay (Sticky) (Stiff, grey)	
10%	383	11	394	Sand, silty to fine, clay mixed (light)	
15%	394	12	406	Sand, silty to fine, fine small	
	406	34	440	Brassy Clay, fine yellow (sticky) fine sandstone	
10%	440	13	453	Sandstone (Stiff, sand + clay) - Brassy + yellow sandstone (Hard)	
	453	6	459	Yellow Sandstone, fine shale	
10%	459	36	495	Sandstone, brown + yellow sandstone (Hard hole Stiff)	
	495	2	497	Limestone (Hard)	
10%	497	14	511	Sandstone, silty (light)	
	511	-	530	Sandstone (Hard) + brown shale	} Hole Stiff
	530	-	533	Sandstone (Hard)	
	533	-	550	Sandstone, fine, brown shale	
	550	-	570	Grey shale	
		166			

- Test Rig
- Set up Depth
- Pitt to EAST
- 7 - Max Gel
- 5 - Gravel Grout
- 8 - Benderity Plug
- 1 - Peema Plug