

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Ellis		Fraction 1/4 SE 1/4 NE 1/4 NE 1/4		Section Number 7	Township No. T 13 S	Range Number R 18 <input type="checkbox"/> E <input checked="" type="checkbox"/> W										
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> Approximately 4 miles north and 2 miles west of Hays.				Global Positioning System (GPS) information: Latitude: 38.940392 (in decimal degrees) Longitude: -99.356228 (in decimal degrees) Elevation: unknown Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: WAAS) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input checked="" type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m												
2 WATER WELL OWNER: Hess Services RR#, Street Address, Box #: 2670 E. 9th City, State, ZIP Code : Hays, KS 67601																
3 LOCATE WELL WITH AN "X" IN SECTION BOX: <div style="text-align: center;">N <table border="1" style="margin: auto; border-collapse: collapse;"> <tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px; text-align: center;">x</td></tr> <tr><td style="text-align: center;">--NW--</td><td style="text-align: center;">--NE--</td></tr> <tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr> <tr><td style="text-align: center;">--SW--</td><td style="text-align: center;">--SE--</td></tr> <tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr> </table> S -----1 mile----- </div>			x	--NW--	--NE--			--SW--	--SE--			4 DEPTH OF COMPLETED WELL 572 ft. Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL 237.50 ft. below land surface measured on mo/day/yr 10/3/11 Pump test data: Well water was Not checked ft. after _____ hours pumping _____ gpm EST. YIELD _____ gpm. Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter 9 7/8 in. to 572 ft., and _____ in. to _____ ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input checked="" type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input type="checkbox"/> Monitoring well <input type="checkbox"/> Temp. Construction Supply Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted _____ Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	x															
--NW--	--NE--															
--SW--	--SE--															
5 TYPE OF CASING USED: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ CASING JOINTS: <input checked="" type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input type="checkbox"/> Threaded Casing diameter _____ in. to _____ ft., Diameter 5 in. to 490 ft., Diameter _____ in. to _____ ft. Casing height above land surface 24 in., Weight 3.54 lbs./ft., Wall thickness or gauge No. 327 TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous slot <input checked="" type="checkbox"/> Mill slot <input type="checkbox"/> Gauze wrapped <input type="checkbox"/> Torch cut <input type="checkbox"/> Drilled holes <input type="checkbox"/> None (open hole) <input type="checkbox"/> Louvered shutter <input type="checkbox"/> Key punched <input type="checkbox"/> Wire wrapped <input type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify) _____ SCREEN-PERFORATED INTERVALS: From 490 ft. to 570 ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From 96 ft. to 572 ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft.																
6 GROUT MATERIAL: <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other _____ Grout Intervals: From _____ ft. to _____ ft., From 0 ft. to 96 ft., From _____ ft. to _____ ft. What is the nearest source of possible contamination: <input type="checkbox"/> Septic tank <input type="checkbox"/> Lateral lines <input type="checkbox"/> Pit privy <input type="checkbox"/> Livestock pens <input type="checkbox"/> Insecticide storage <input checked="" type="checkbox"/> Other (specify below) <input type="checkbox"/> Sewer lines <input type="checkbox"/> Cesspool <input type="checkbox"/> Sewage lagoon <input type="checkbox"/> Fuel storage <input type="checkbox"/> Abandoned water well <input type="checkbox"/> Watertight sewer lines <input type="checkbox"/> Seepage pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer storage <input type="checkbox"/> Oil well/gas well Direction from well West Distance from well 25' Existing Well																
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS											
0	4	Fill dirt with limestone chunks			black shale											
4	22	White rock	296	306	Shale, black, hard											
22	23	Yellow clay	306	335	Shale, dark grey, with streaks, hard,											
23	34	White limestone			black shale											
34	36	Tan, clay, with white limestone	335	353	Shale, dark grey, with streaks, grey sandstone											
36	41	White limestone, with streaks, tan, clay	353	374	Shale, black, hard, with streaks, grey, shale											
41	64	Tan, shale	374	396	Shale, black, hard, with streaks, grey, shale											
64	70	Shale, yellow-green			grey limestone streaks											
70	86	Shale, gray	396	433	Shale, black, hard, grey & tan limestone streak											
86	296	Shale, dark grey, with streaks, hard,			continued on back side											
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo/day/year) 10/3/11 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/year) 10/24/11 under the business name of Clarke Well & Equipment, Inc. by (signature) <i>[Signature]</i>																
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 .																

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FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
433	440	Shale, black, hard, with streaks, hard	517	570	Sandstone, grey, fine
		grey limestone	570	578	Shale, grey, black
440	458	Shale, black, hard			
458	476	Clay, grey, soft, with streaks, hard			
		black shale			
476	490	Shale, black, hard, shale, grey			
490	510	Clay, grey, soft, with streaks, grey			
		sandstone			
510	517	Sandstone, grey, fine, with streaks,			
		grey clay			

RECEIVED
NOV 17 2011
KS GEO SURVEY