

LOCATION OF WATER WELL County: Stafford	Fraction NE 1/4 NW 1/4 NW 1/4	Section Number 6	Township Number T 23 S	Range Number R 12 E/W
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Distance and direction from nearest town or city? **2 mi W, 1 mi S of Hudson**
 Street address of well if located within city?

WATER WELL OWNER: **KGS/GWMD#5**
 RR#, St. Address, Box # :
 City, State, ZIP Code : **St. John, Kansas 67576**
 Board of Agriculture, Division of Water Resources
 Application Number:

DEPTH OF COMPLETED WELL: **51** ft. Bore Hole Diameter: **8** in. to **51** ft., and in. to ft.

Well Water to be used as:
 1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well
 2 Irrigation 4 Industrial 6 Oil field water supply 9 Dewatering ~~Other (Specify below)~~
 7 Lawn and garden only **10 Observation well** **Research**
 Well's static water level: **6.10** ft. below land surface measured on **October** month **15** day **1982** year
 Pump Test Data: Well water was ft. after hours pumping gpm
 Est. Yield gpm: Well water was ft. after hours pumping gpm

TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing dia: **5** in. to **40** ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface: **16** in., weight lbs./ft. Wall thickness or gauge No. **Schd 40**

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 Screen or Perforation Openings Are:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify)

Screen-Perforation Dia: **5** in. to **50** ft., Dia in. to ft., Dia in. to ft.
 Screen-Perforated Intervals: From **40** ft. to **50** ft., From ft. to ft., From ft. to ft.
 Gravel Pack Intervals: From **50** ft. to **38** ft., From ft. to ft., From ft. to ft.

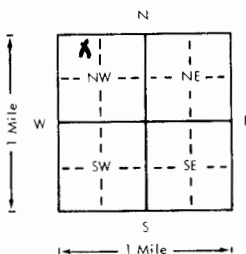
5 GROUT MATERIAL: **1** Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grouted Intervals: From **3** ft. to **1.5** ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination:
 1 Septic tank 4 Cess pool 7 Sewage lagoon 11 Fertilizer storage 14 Abandoned water well
 2 Sewer lines 5 Seepage pit 8 Feed yard 12 Insecticide storage 15 Oil well/Gas well
 3 Lateral lines 6 Pit privy 9 Livestock pens 13 Watertight sewer lines 16 Other (specify below)

Direction from well: How many feet? Water Well Disinfected? Yes No
 Was a chemical/bacteriological sample submitted to Department? Yes No If yes, date sample was submitted month day year: Pump Installed? Yes No
 If Yes: Pump Manufacturer's name Model No. HP Volts
 Depth of Pump Intake ft. Pumps Capacity rated at gal./min.
 Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was **1** constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on **July** month **12** day **1978** year
 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No.
 This Water Well Record was completed on **Nov** month **15** day **82** year under the business name of **Patrick M. Cole** by (signature)

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	FROM		TO		LITHOLOGIC LOG		FROM		TO		LITHOLOGIC LOG	
	0	3.5	3.6	51	silt, gray to brown						(abbreviated log)	
					orange brown sandy silt, fine-grained; some blue-gray clay							



7 ELEVATION: Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. 4. ft. (Use a second sheet if needed)

INSTRUCTIONS: Use typewriter or ball point pen, please press firmly and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
T
23
R
12
EW
SEC.
NE 1/4 NW 1/4 SW 1/4 SE 1/4

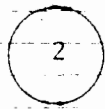
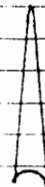
SI - BEND GMD#5-KGS
 WATER QUALITY
 OBSERVATION WELL
 NETWORK

SITE NUMBER : 5
 SITE LOCATION: NW NW NW

LEGAL LOCATION: 6-23-12W
 COUNTY : STAFFORD

WELL LOG

FROM	TO	LITHOLOGIC LOG	OWNER: LONG
0	3.5	gray to gray-brown silt	
3.5	6	some arkose sand	
6	10	red-orange sandy silt and blue-gray clay	
10	25	brownish silt	
25	31	fine sand added, slightly lighter color	
31	35	sand size decrease noted, more clay and silt	
35	39.5	less clay, sandier, lighter and more orange in color	
39.5	46	good fine sand continues	
46	61	fine grained sand; qtz. arkosic	
61	91	sand	
91	103	smoothed out at 103'--possible clay zone	
103	106	tan clay present	
106	136	tan clay and sand--smooth going	
136	150	same, increasing amounts of very fine white sand	
150	166	yellow, very fine sand	
166	181	trace of light pink clay	
181	225	red mud, no samples taken--PERMIAN	



TD=102'
 92'/10'



TD=50'
 40'/10'

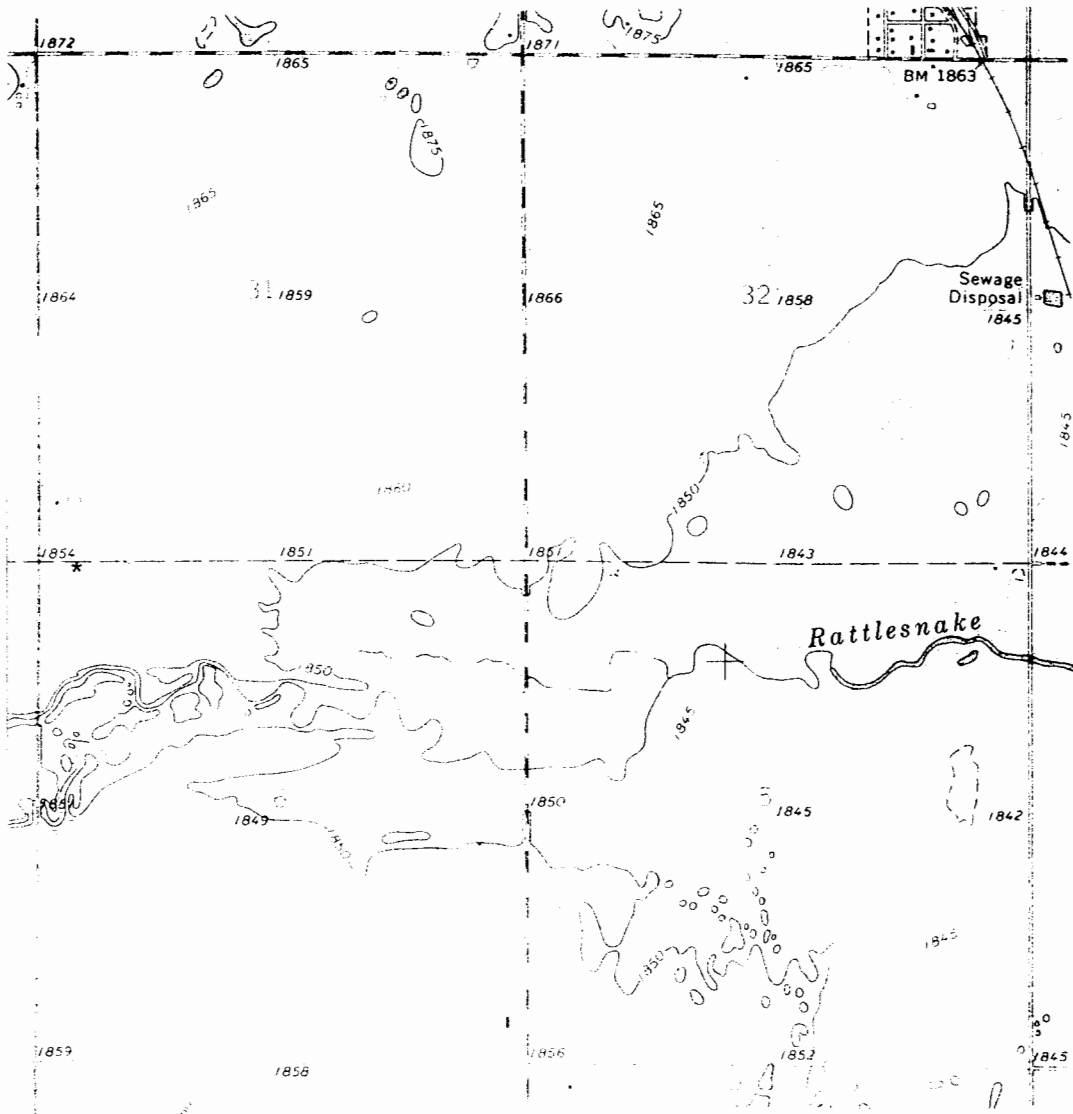


TD=198'
 193'/5'



SITE NUMBER : 5
SITE LOCATION : NW NW NW
LEGAL LOCATION: SEC6 T23S R12W
COUNTY : STAFFORD

LANDOWNER: ALLEN LONG
ADDRESS : ROUTE 2
St. JOHN, KANSAS 67576
PHONE NO.: 316-549-3870



WELL LOCATION *

BIG BEND GMD#5-KGS
WATER QUALITY
OBSERVATION WELL
NETWORK

SITE NUMBER : 5	LEGAL LOCATION : 6-23-12W
SITE LOCATION: NW NW NW	COUNTY : STAFFORD
SAMPLING DATE: OCTOBER 1978	NUMBER OF WELLS: 5

WATER QUALITY ANALYSIS (mg./l)

	<u>WELL#1</u>	<u>WELL#2</u>	<u>WELL#3</u>	<u>WELL#4</u>
TEMPERATURE, C	<u>16.0</u>	<u>15.9</u>	<u>15.0</u>	<u> </u>
SPECIFIC CONDUCTANCE umho @ 25 deg C.	<u>85,200</u>	<u>51,700</u>	<u>693</u>	<u> </u>
pH	<u>8.4</u>	<u>7.3</u>	<u>7.5</u>	<u> </u>
CALCIUM (Ca):	<u>961</u>	<u>515</u>	<u>94</u>	<u> </u>
MAGNESIUM (Mg):	<u>409</u>	<u>242</u>	<u>7.2</u>	<u> </u>
POTASSIUM (K):	<u>49</u>	<u>21</u>	<u>4.0</u>	<u> </u>
SILICA (SiO ₂):	<u>18</u>	<u>22</u>	<u>20</u>	<u> </u>
SODIUM (Na):	<u>27,695</u>	<u>14,600</u>	<u>31</u>	<u> </u>
SAR:	<u>190</u>	<u>130</u>	<u>0.83</u>	<u> </u>
BICARBONATE (HCO ₃):	<u>152</u>	<u>223</u>	<u>224</u>	<u> </u>
CHLORIDE (Cl):	<u>41,177</u>	<u>21,719</u>	<u>92</u>	<u> </u>
FLUORIDE (F):	<u>0.6</u>	<u>0.8</u>	<u>0.3</u>	<u> </u>
NITRATE (NO ₃):	<u>1.6</u>	<u>0.3</u>	<u>11</u>	<u> </u>
ORTHO-PHOSPHATE (PO ₄):	<u>0.16</u>	<u>0.1</u>	<u>0.14</u>	<u> </u>
SULFATE (SO ₄):	<u>4184</u>	<u>2672</u>	<u>16</u>	<u> </u>
SULFIDE (S):	<u> </u>	<u> </u>	<u> </u>	<u> </u>
STRONTIUM (Sr):	<u>20</u>	<u>10</u>	<u>0.4</u>	<u> </u>