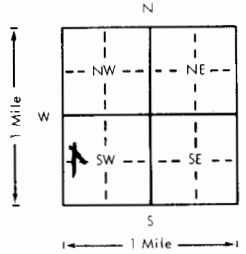


1 LOCATION OF WATER WELL		Fraction		Section Number		Township Number		Range Number	
County: <b>Reno</b>		SW 1/4 NW 1/4 SW 1/4		31		T 24 S		R 10 E	
Distance and direction from nearest town or city? <b>3 mi W, 2-3/4 mi S of Sylvania</b>				Street address of well if located within city?					
2 WATER WELL OWNER: <b>KGS/GWMD#5</b>									
RR#, St. Address, Box # :				Board of Agriculture, Division of Water Resources					
City, State, ZIP Code : <b>St. John, Kansas</b>				Application Number:					
3 DEPTH OF COMPLETED WELL: <b>71</b> ft. Bore Hole Diameter: <b>10</b> in. to <b>71</b> 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 <del>12 Other (Specify below)</del> 7 Lawn and garden only <b>10 Observation well</b> <b>Research</b>									
Well's static water level: <b>10.5</b> ft. below land surface measured on <b>October</b> month <b>22</b> day <b>1982</b> year									
Pump Test Data: Well water was ft. after hours pumping. gpm Est. Yield gpm: Well water was ft. after hours pumping. gpm									
4 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued <input checked="" type="checkbox"/> Clamped <b>2 PVC</b> 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded 7 Fiberglass Threaded									
Blank casing dia <b>5</b> in. to <b>62</b> ft., Dia in. to ft., Dia in. to ft. Casing height above land surface <b>16</b> in., weight lbs./ft. Wall thickness or gauge No. <b>Schd 40</b>									
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 11 Other (specify) 12 None used (open hole)									
Screen or Perforation Openings Are: 1 Continuous slot <b>3 Mill slot</b> 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 <b>5</b> in. to <b>65</b> ft., Dia in. to ft., Dia in. to ft.									
Screen-Perforated Intervals: From <b>62</b> ft. to <b>65</b> ft., From ft. to ft. to ft. to ft.									
Gravel Pack Intervals: From <b>65</b> ft. to <b>60</b> ft., From ft. to ft. to ft. to ft.									
5 GROUT MATERIAL: <b>1 Neat cement</b> 2 Cement grout 3 Bentonite 4 Other									
Grouted Intervals: From <b>60</b> ft. to <b>30</b> ft., From <b>5</b> ft. to <b>1.5</b> ft., From ft. to ft.									
What is the nearest source of possible contamination: <b>not determined</b> 1 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well 2 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well 3 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below) 13 Watertight sewer lines									
Direction from well How many feet ? Water Well Disinfected? Yes <input checked="" type="checkbox"/> No									
Was a chemical/bacteriological sample submitted to Department? Yes <input checked="" type="checkbox"/> No If yes, date sample was submitted month day year: Pump Installed? Yes <input checked="" type="checkbox"/> 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 <b>1</b> constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on <b>July</b> month <b>25</b> day <b>1979</b> 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 <b>Nov</b> month <b>15</b> day <b>82</b> year under the business name of <b>Patrick M Cobb</b> by (signature)									
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM TO		LITHOLOGIC LOG		FROM TO		LITHOLOGIC LOG	
		0 6		brown top soil					
		6 8		red clayey sand, fine to coarse					
		8 61		fine to coarse sand, gravel lenses					
		61 71		fine to very fine sand, some pink clay					
						(abbreviated log)			
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.									

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

SITE NUMBER : 9  
SITE LOCATION: SW NW SW  
SAMPLING DATE: OCTOBER 1979

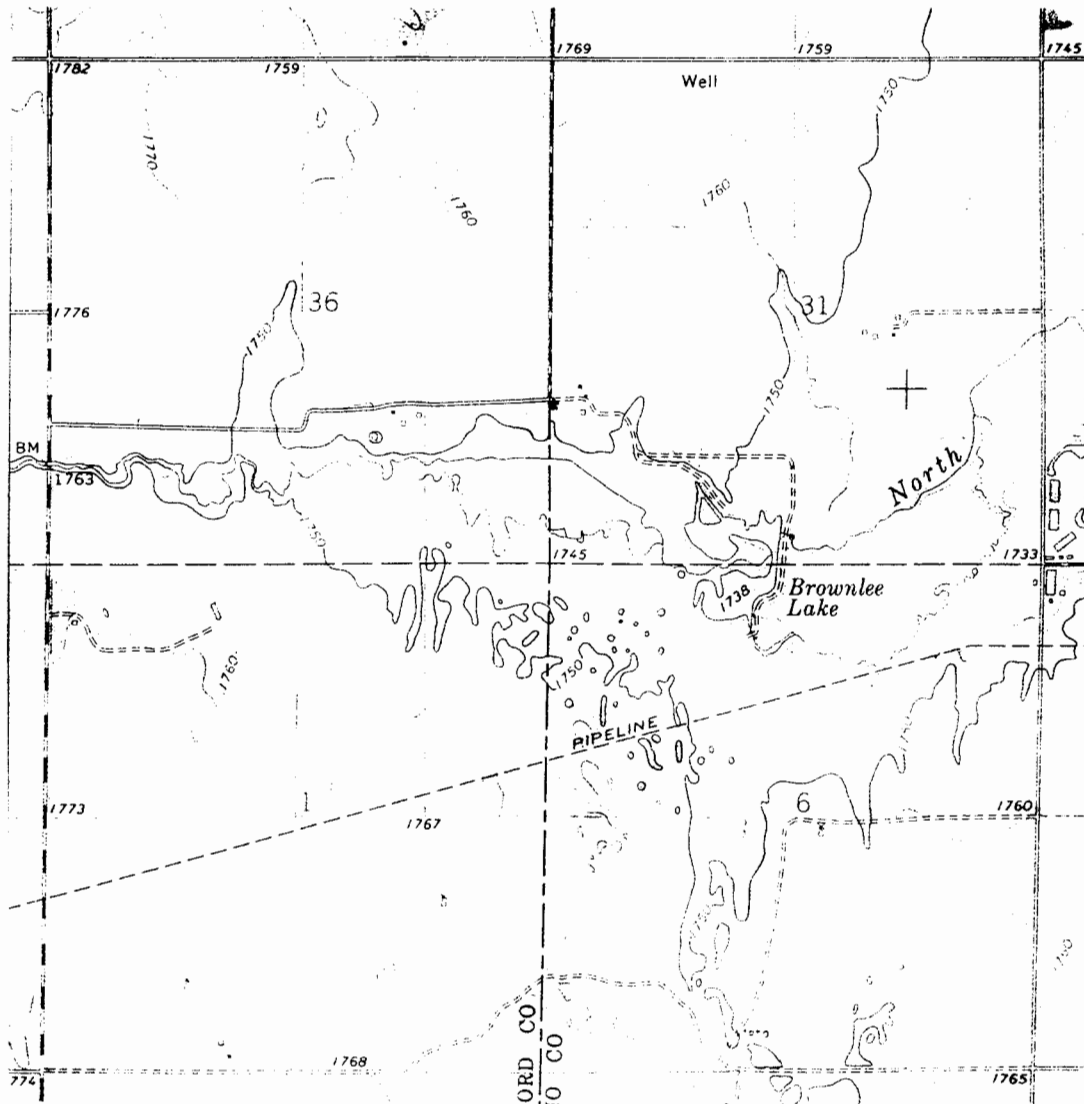
LEGAL LOCATION : 31-24-10W  
COUNTY : RENO  
NUMBER OF WELLS: 3

WATER QUALITY ANALYSIS (mg./l)

	<u>WELL#1</u>	<u>WELL#2</u>	<u>WELL#3</u>	<u>WELL#4</u>
TEMPERATURE, C	<u>-</u>	<u>14.8</u>	<u>14.7</u>	<u>      </u>
SPECIFIC CONDUCTANCE umho @ 25 deg C.	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
pH	<u>7.4</u>	<u>7.7</u>	<u>7.6</u>	<u>      </u>
CALCIUM (Ca):	<u>278</u>	<u>173</u>	<u>151</u>	<u>      </u>
MAGNESIUM (Mg):	<u>57</u>	<u>29</u>	<u>22</u>	<u>      </u>
POTASSIUM (K):	<u>6.9</u>	<u>4.1</u>	<u>3.3</u>	<u>      </u>
SILICA (SiO <sub>2</sub> ):	<u>23</u>	<u>24</u>	<u>24</u>	<u>      </u>
SODIUM (Na):	<u>1966</u>	<u>757</u>	<u>472</u>	<u>      </u>
SAR:	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
BICARBONATE (HCO <sub>3</sub> ):	<u>213</u>	<u>214</u>	<u>228</u>	<u>      </u>
CHLORIDE (Cl):	<u>3086</u>	<u>1248</u>	<u>824</u>	<u>      </u>
FLUORIDE (F):	<u>0.2</u>	<u>0.2</u>	<u>0.2</u>	<u>      </u>
NITRATE (NO <sub>3</sub> ):	<u>12</u>	<u>12</u>	<u>15</u>	<u>      </u>
ORTHO-PHOSPHATE (PO <sub>4</sub> ):	<u>0.26</u>	<u>0.27</u>	<u>0.26</u>	<u>      </u>
SULFATE (SO <sub>4</sub> ):	<u>484</u>	<u>166</u>	<u>119</u>	<u>      </u>
SULFIDE (S):	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
STRONTIUM (Sr):	<u>2.8</u>	<u>1.3</u>	<u>1.0</u>	<u>      </u>

SITE NUMBER : 9  
SITE LOCATION : SW NW SW  
LEGAL LOCATION: SEC 31 T24S R10W  
COUNTY : RENO

LANDOWNER: CLARENCE BROWNLEE  
ADDRESS : RFD #2  
STAFFORD, KANSAS 67578  
PHONE NO.: 316-234-5968



WELL LOCATION \*