

1 LOCATION OF WATER WELL: County: Reno, Fraction: SW 1/4, SW 1/4, SE 1/4, Section Number: 6, Township Number: T 24 S, Range Number: R 10. Distance and direction from nearest town or city: 2 mi N, 3 mi W of Sylvia. Street address of well if located within city: [blank].

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

3 DEPTH OF COMPLETED WELL: 148 ft. Bore Hole Diameter: 10 in. to 149 ft. and in. to ft. Well Water to be used as: 5 Public water supply, 8 Air conditioning, 11 Injection well. 1 Domestic, 3 Feedlot, 6 Oil field water supply, 9 Dewatering, 12 Other (Specify below) Research. 2 Irrigation, 4 Industrial, 7 Lawn and garden only, 10 Observation well. Well's static water level: 24.05 ft. below land surface measured on October 22, 1982. Pump Test Data: [blank]. Est. Yield: [blank].

4 TYPE OF BLANK CASING USED: 1 Steel, 3 RMP (SR), 6 Asbestos-Cement, 9 Other (specify below). 2 PVC, 4 ABS, 7 Fiberglass. Casing Joints: Glued, Clamped, Welded, Threaded. Blank casing dia: 5 in. to 143 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), 11 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, 6 Wire wrapped, 8 Saw cut, 11 None (open hole). 2 Louvered shutter, 4 Key punched, 7 Torch cut, 10 Other (specify). Screen-Perforation Dia: 5 in. to 148 ft. Dia. in. to ft. Dia. in. to ft. Screen-Perforated Intervals: From 143 ft. to 148 ft. From ft. to ft. From ft. to ft. Gravel Pack Intervals: From 140 ft. to 148 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 140 ft. to 90 ft. From 6 ft. to 1.5 ft. From ft. to ft. What is the nearest source of possible contamination: 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: [blank]. How many feet: [blank]. Water Well Disinfected? Yes [No]. Was a chemical/bacteriological sample submitted to Department? Yes [No]. If yes, date sample was submitted: [blank]. Pump Installed? Yes [No]. If Yes: Pump Manufacturer's name: [blank]. Model No.: [blank]. HP: [blank]. Volts: [blank]. Depth of Pump Intake: [blank]. Pumps Capacity rated at: [blank]. 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 August 9, 1979. and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. [blank]. This Water Well Record was completed on Nov 15, 1983 by (signature) Patrick M. Cole. year under the business name of [blank].

7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: [Diagram showing a 36-section grid with NW, NE, SW, SE labels. A red 'X' is in the center section. A scale bar shows 1 mile. A red stamp reads 'UNABLE TO PROCURE ATTACHMENT'. Below the diagram is a table with columns FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHOLOGIC LOG. The first row contains 'see attached log'. Below the table is a section for ELEVATION: and 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 : 10  
SITE LOCATION: SW SW SE

LEGAL LOCATION: 6-24-10W  
COUNTY : RENO

## WELL LOG

[illegible]

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

SITE NUMBER : 10  
SITE LOCATION: SW SW SE  
SAMPLING DATE: NOVEMBER 1979

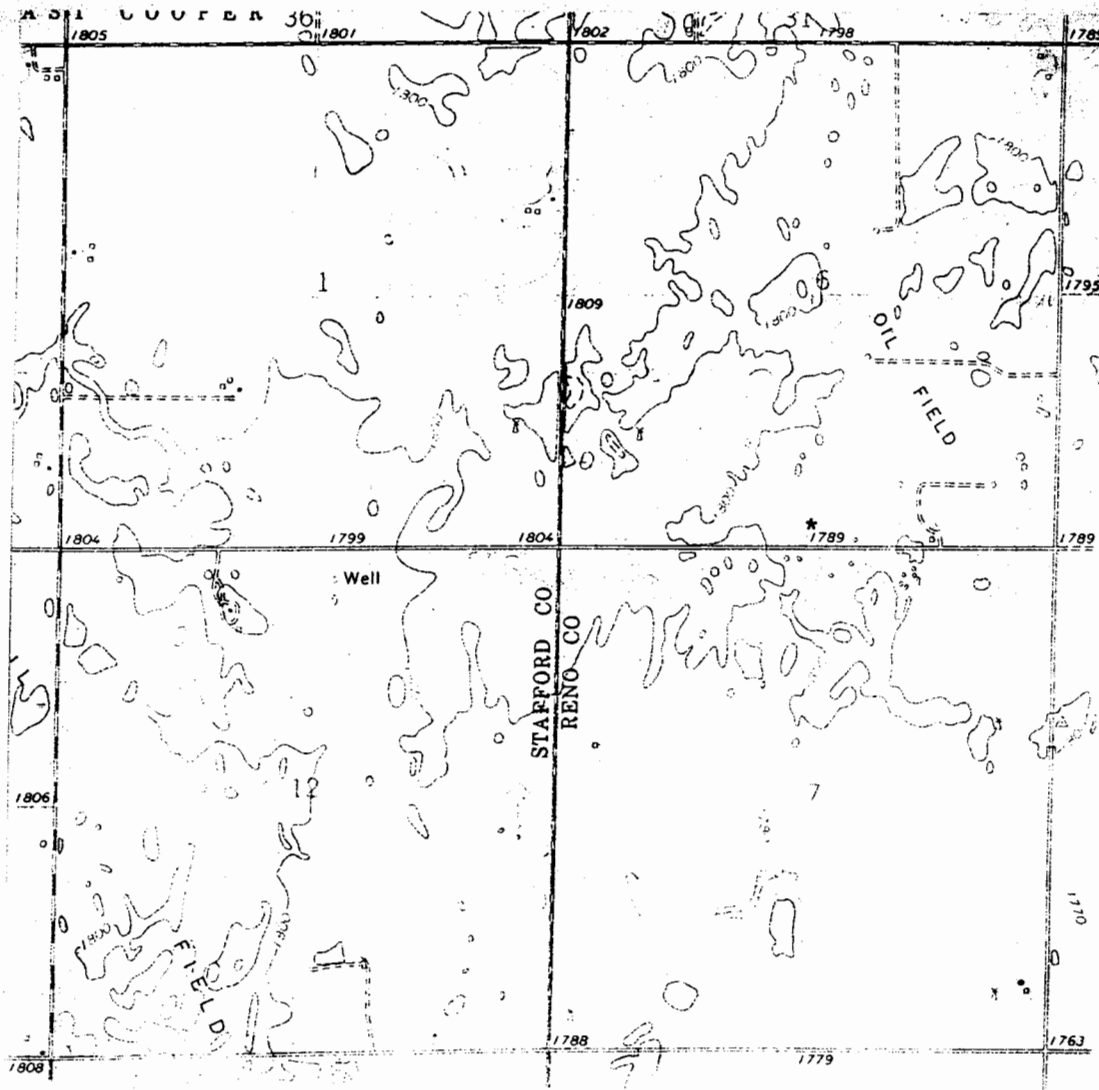
LEGAL LOCATION : 6-24-10W  
COUNTY : RENO  
NUMBER OF WELLS: 4

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>16.1</u>	<u>15.6</u>	<u>15.3</u>
SPECIFIC CONDUCTANCE umho @ 25 deg C.	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
pH	<u>7.6</u>	<u>7.6</u>	<u>7.8</u>	<u>7.5</u>
CALCIUM (Ca):	<u>152</u>	<u>150</u>	<u>118</u>	<u>101</u>
MAGNESIUM (Mg):	<u>46</u>	<u>38</u>	<u>21</u>	<u>11</u>
POTASSIUM (K):	<u>7.0</u>	<u>5.7</u>	<u>3.9</u>	<u>3.7</u>
SILICA (SiO <sub>2</sub> ):	<u>38</u>	<u>44</u>	<u>53</u>	<u>14</u>
SODIUM (Na):	<u>1094</u>	<u>858</u>	<u>412</u>	<u>87</u>
SAR:	<u>110.0</u>	<u>88.5</u>	<u>49.4</u>	<u>11.6</u>
BICARBONATE (HCO <sub>3</sub> ):	<u>246</u>	<u>295</u>	<u>277</u>	<u>231</u>
CHLORIDE (Cl):	<u>1691</u>	<u>1360</u>	<u>677</u>	<u>192</u>
FLUORIDE (F):	<u>0.5</u>	<u>0.6</u>	<u>0.6</u>	<u>0.4</u>
NITRATE (NO <sub>3</sub> ):	<u>0.2</u>	<u>0.2</u>	<u>0.6</u>	<u>1.4</u>
ORTHO-PHOSPHATE (PO <sub>4</sub> ):	<u>0.21</u>	<u>0.99</u>	<u>0.33</u>	<u>0.15</u>
SULFATE(SO <sub>4</sub> ):	<u>241</u>	<u>189</u>	<u>87</u>	<u>20</u>
SULFIDE (S):	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
STRONTIUM (Sr):	<u>2.1</u>	<u>1.6</u>	<u>1.0</u>	<u>0.6</u>

SITE NUMBER : 10  
SITE LOCATION : SW SW SE  
LEGAL LOCATION: SEC6 T24S R10W  
COUNTY : RENO

LANDOWNER: FRED KREY  
ADDRESS : RURAL ROUTE  
ZENITH, KANSAS 67586  
PHONE NO.: 316-486-3595



WELL LOCATION \*