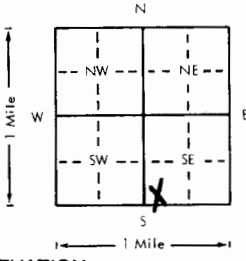


Site 10, Well #4		WATER WELL RECORD		Form WWC-5	KSA 82a-1212		
1 LOCATION OF WATER WELL		Fraction	Section Number	Township Number	Range Number		
County: Reno		SW 1/4 SW 1/4 SE 1/4	6	T 24 S	R 10 NW		
Distance and direction from nearest town or city? 2 mi N, 3 mi W of Sylvia			Street address of well if located within city?				
2 WATER WELL OWNER: KGS/GWMD#5							
RR#, St. Address, Box #			Board of Agriculture, Division of Water Resources				
City, State, ZIP Code: St. John, Kansas 67576			Application Number:				
3 DEPTH OF COMPLETED WELL: 79 ft. Bore Hole Diameter: 10 in. to 79 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 12 Other (Specify below)							
Well's static water level: 21.965 ft. below land surface measured on October 22 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							
4 TYPE OF BLANK CASING USED:							
1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued Clamped							
2 PVC 4 ABS 7 Fiberglass 9 Other (specify below) Welded							
Blank casing dia 5 in. to 73 ft. Dia in. to ft. Dia in. to ft.							
Casing height above land surface: 24 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 11 Other (specify)							
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 7 Torch cut 10 Other (specify)							
Screen-Perforation Dia 5 in. to 79 ft. Dia in. to ft. Dia in. to ft.							
Screen-Perforated Intervals: From 73 ft. to 79 ft. From ft. to ft. From ft. to ft.							
Gravel Pack Intervals: From 79 ft. to 70 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 6 ft. to 1.5 ft. From ft. to ft. From ft. to ft.							
What is the nearest source of possible contamination: not determined							
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 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 August 14 day 1979 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 15 month Nov day 1982 year under the business							
name of by (signature) Patrick M. Calk							
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
				see attached log			UNABLE TO PROCURE
ELEVATION:							ATTACHMENT
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

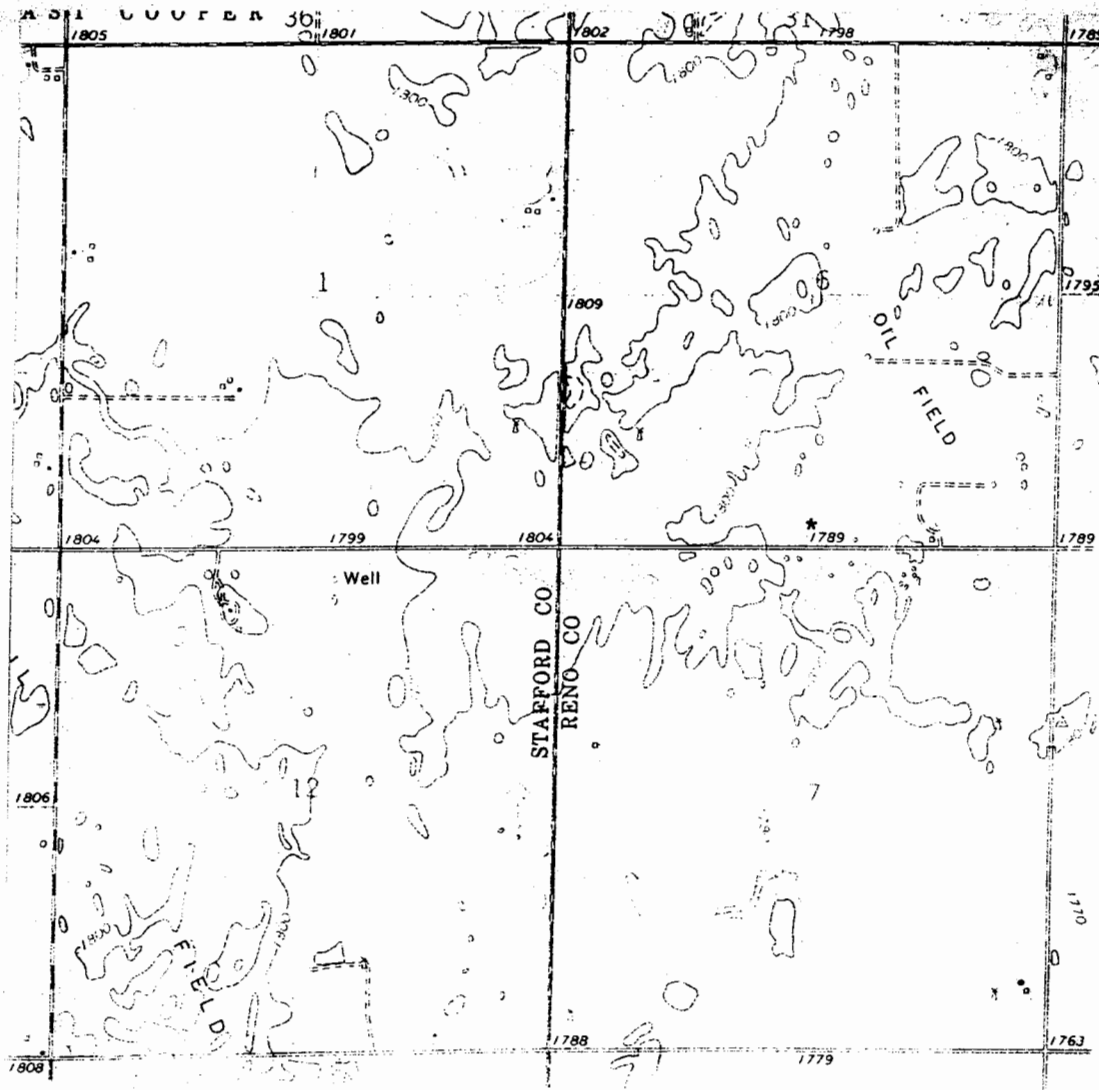
LEGAL LOCATION : 6-24-10W
COUNTY : RENO
NUMBER OF WELLS: 4

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 ₂):	<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 ₃):	<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 ₃):	<u>0.2</u>	<u>0.2</u>	<u>0.6</u>	<u>1.4</u>
ORTHO-PHOSPHATE (PO ₄):	<u>0.21</u>	<u>0.99</u>	<u>0.33</u>	<u>0.15</u>
SULFATE(SO ₄):	<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 *