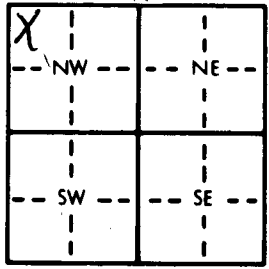


| 1 LOCATION OF WATER WELL: County: <u>Hamilton</u> | | Fraction <u>NW 1/4 NW 1/4 NW 1/4</u> | | Section Number <u>22</u> | Township Number <u>T 26 S</u> | Range Number <u>R 40</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|--|------|--------------------------|-----------------------------------|--------------------------|------|----|----------------|------|----|----------------|---|----|-----------------|-----|-----|-----------------------------------|----|----|------------------------|-----|-----|-------------------|----|----|---------------------------------|--|--|--|----|----|-----------------------|-----|-----|------------|----|----|------------------------|-----|-----|--------------------------|----|----|------|-----|-----|------------|----|-----|-------------------|-----|-----|---------------------------|-----|-----|----------|-----|-----|------------|-----|-----|-------------------------------|-----|-----|--------------------------|-----|-----|------|-----|-----|--------------------------|-----|-----|-------------------|-----|-----|--------------------------|-----|-----|--|--|--|--|-----|-----|-----------------------------|--|--|--|-----|-----|------------|--|--|--|-----|-----|--------------------------|--|--|--|
| Distance and direction from nearest town or city street address of well if located within city? <u>From Syracuse, Kansas - 10 miles South, 4 miles East & 3 miles South</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 WATER WELL OWNER: <u>Adolph Brehm</u> RR#, St. Address, Box #: <u>Route #1</u> City, State, ZIP Code: <u>Kendall, Kansas 67857</u> Board of Agriculture, Division of Water Resources Application Number: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: <div style="text-align: center;"></div> | | 4 DEPTH OF COMPLETED WELL: <u>518</u> ft. ELEVATION: ft. Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL: <u>272</u> ft. below land surface measured on mo/day/yr <u>April 10, 1985</u> Pump test data: Well water was ft. after hours pumping gpm Est. Yield <u>30</u> gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter <u>8</u> in. to <u>518</u> 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) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well Was a chemical/bacteriological sample submitted to Department? Yes.....No..... <u>XX</u> ; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes <u>XX</u> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued <u>XX</u> Clamped 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded 7 Fiberglass Threaded..... Blank casing diameter <u>5</u> in. to <u>518</u> ft. Dia. in. to ft., Dia. in. to ft. Casing height above land surface <u>12</u> in., weight <u>200</u> psi lbs./ft. Wall thickness or gauge No. <u>SDR 17</u> TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) 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-PERFORATED INTERVALS: From <u>453</u> ft. to <u>513</u> ft., From ft. to ft. From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From <u>20</u> ft. to <u>518</u> ft., From ft. to ft. From ft. to ft., From ft. to ft. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout intervals: From <u>5</u> ft. to <u>20</u> ft., From ft. to ft., From ft. to ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) 13 Insecticide storage Direction from well? <u>150</u> How many feet? <u>SouthEast</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th></tr></thead><tbody><tr><td>0</td><td>15</td><td>Top soil & clay</td><td>355</td><td>370</td><td>Blue shale & cap rock (very hard)</td></tr><tr><td>15</td><td>30</td><td>Sand, rock & fine sand</td><td>370</td><td>385</td><td>Clay & sand stone</td></tr><tr><td>30</td><td>45</td><td>Fine sand & sand rock in layers</td><td></td><td></td><td></td></tr><tr><td>45</td><td>60</td><td>Fine sand & gray clay</td><td>385</td><td>400</td><td>Sand stone</td></tr><tr><td>60</td><td>75</td><td>Gray clay & rock layer</td><td>400</td><td>415</td><td>Sand stone & rock layers</td></tr><tr><td>75</td><td>90</td><td>Clay</td><td>415</td><td>460</td><td>Sand stone</td></tr><tr><td>90</td><td>105</td><td>Clay & rock layer</td><td>460</td><td>475</td><td>Sand stone & clay (loose)</td></tr><tr><td>105</td><td>150</td><td>Red clay</td><td>475</td><td>490</td><td>Sand stone</td></tr><tr><td>150</td><td>165</td><td>Red clay & gray clay (12 ft.)</td><td>490</td><td>505</td><td>Sand stone & clay layers</td></tr><tr><td>165</td><td>180</td><td>Clay</td><td>505</td><td>525</td><td>Clay layers & sand stone</td></tr><tr><td>180</td><td>195</td><td>Clay & rock layer</td><td>525</td><td>540</td><td>Sand stone & rock layers</td></tr><tr><td>195</td><td>210</td><td>Clay & rock layer & sand stone in layers</td><td></td><td></td><td></td></tr><tr><td>210</td><td>225</td><td>Clay & sand stone in layers</td><td></td><td></td><td></td></tr><tr><td>225</td><td>265</td><td>Blue shale</td><td></td><td></td><td></td></tr><tr><td>265</td><td>355</td><td>Blue shale & rock layers</td><td></td><td></td><td></td></tr></tbody></table> | | | | | | | FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG | 0 | 15 | Top soil & clay | 355 | 370 | Blue shale & cap rock (very hard) | 15 | 30 | Sand, rock & fine sand | 370 | 385 | Clay & sand stone | 30 | 45 | Fine sand & sand rock in layers | | | | 45 | 60 | Fine sand & gray clay | 385 | 400 | Sand stone | 60 | 75 | Gray clay & rock layer | 400 | 415 | Sand stone & rock layers | 75 | 90 | Clay | 415 | 460 | Sand stone | 90 | 105 | Clay & rock layer | 460 | 475 | Sand stone & clay (loose) | 105 | 150 | Red clay | 475 | 490 | Sand stone | 150 | 165 | Red clay & gray clay (12 ft.) | 490 | 505 | Sand stone & clay layers | 165 | 180 | Clay | 505 | 525 | Clay layers & sand stone | 180 | 195 | Clay & rock layer | 525 | 540 | Sand stone & rock layers | 195 | 210 | Clay & rock layer & sand stone in layers | | | | 210 | 225 | Clay & sand stone in layers | | | | 225 | 265 | Blue shale | | | | 265 | 355 | Blue shale & rock layers | | | |
| FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 15 | Top soil & clay | 355 | 370 | Blue shale & cap rock (very hard) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 30 | Sand, rock & fine sand | 370 | 385 | Clay & sand stone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 45 | Fine sand & sand rock in layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 60 | Fine sand & gray clay | 385 | 400 | Sand stone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 75 | Gray clay & rock layer | 400 | 415 | Sand stone & rock layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 90 | Clay | 415 | 460 | Sand stone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 105 | Clay & rock layer | 460 | 475 | Sand stone & clay (loose) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | 150 | Red clay | 475 | 490 | Sand stone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 165 | Red clay & gray clay (12 ft.) | 490 | 505 | Sand stone & clay layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 165 | 180 | Clay | 505 | 525 | Clay layers & sand stone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 195 | Clay & rock layer | 525 | 540 | Sand stone & rock layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 195 | 210 | Clay & rock layer & sand stone in layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | 225 | Clay & sand stone in layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 225 | 265 | Blue shale | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 265 | 355 | Blue shale & rock layers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>May 1, 1985</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>179</u> This Water Well Record was completed on (mo/day/yr) <u>June 3, 1985</u> under the business name of <u>Joe's Well Service, Inc. Cimarron, KS</u> (Signature) <u>Lucy C. Cuck</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |