

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: <u>RELFY</u>	<u>NE 1/4 NW 1/4 NE 1/4</u>	<u>3</u>	T <u>11</u> S	R <u>8</u> <u>EW</u>

Distance and direction from nearest town or city street address of well if located within city?

FROM SE CORNER OF MANHATTAN 3 MILES SOUTH AND 2 MILES EAST.

2 WATER WELL OWNER: <u>DON HESS</u>	Board of Agriculture, Division of Water Resources
RR#, St. Address, Box #: <u>1312 DEEP CREEK LN</u>	Application Number: _____
City, State, ZIP Code: <u>MANHATTAN, KS 66502</u>	

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL <u>230</u> ft. ELEVATION: _____
	Depth(s) Groundwater Encountered 1. <u>60</u> ft. 2. _____ ft. 3. _____ ft. WELL'S STATIC WATER LEVEL _____ ft. below land surface measured on mo/day/yr _____ Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm Est. Yield <u>50</u> gpm: Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter. <u>4.5</u> in. to <u>2.30</u> in. and _____ in. to _____ in. 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 Domestic (lawn & garden) 10 Monitoring well <u>CLOSED LOOP GEOTHERMAL</u> Was a chemical/bacteriological sample submitted to Department? Yes. _____ No. <u>✓</u> ; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes _____ No <u>✓</u>

5 TYPE OF BLANK CASING USED:	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued. _____ Clamped. _____
1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)
2 PVC	<u>4 ABS</u>	7 Fiberglass	Welded <u>X</u>
Blank casing diameter _____ in. to _____ ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.			Threaded. _____
Casing height above land surface. <u>6 feet below</u> , weight _____ lbs./ft. Wall thickness or gauge No. <u>SDR 11</u>			
TYPE OF SCREEN OR PERFORATION MATERIAL:	7 PVC	10 Asbestos-cement	
1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS
SCREEN OR PERFORATION OPENINGS ARE:	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
1 Continuous slot	3 Mill slot	6 Wire wrapped	9 Drilled holes
2 Louvered shutter	4 Key punched	7 Torch cut	10 Other (specify) _____ ft.
SCREEN-PERFORATED INTERVALS: From _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.			
GRAVEL PACK INTERVALS: From _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.			

6 GROUT MATERIAL:	1 Neat cement	2 Cement grout	<u>Bentonite</u>	4 Other _____
Grout Intervals: From _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.				
What is the nearest source of possible contamination:	10 Livestock pens	14 Abandoned water well		
1 Septic tank	4 Lateral lines	7 Pit privy	11 Fuel storage	15 Oil well/Gas well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	12 Fertilizer storage	<u>16 Other (specify below)</u>
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	13 Insecticide storage	<u>HOUSE</u>
Direction from well? <u>SOUTH</u>			How many feet? <u>20</u>	

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	18	CLAY, BROWN	218	219	LIMESTONE, GRAY
18	28	SHALE, GRAY	217	230	SHALE
28	59	LIMESTONE, YELLOW		230	TOTAL DEPTH
59	80	SHALE, GRAY			
80	82	LIMESTONE, GRAY			
82	94	SHALE, GRAY			
94	95	CHERTY, LIMESTONE			
95	114	SHALE, GRAY			1 HOLE TO 230 FEET
114	118	LIMESTONE, GRAY			1 HOLE TO 215 FEET
118	137	SHALE, GRAY			
137	140	MUDSTONE, GREEN GRAY			
140	173	SHALE, DARK GRAY/LIGHT GRAY			
173	175	LIMESTONE, GRAY			
175	218	SHALE, GRAY			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <u>Geothermal</u> (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>7/11/00</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. <u>585</u> This Water Well Record was completed on (mo/day/yr) <u>7/25/00</u> under the business name of <u>ASSOCIATED ENVIRONMENTAL INC.</u> by (signature) <u>[Signature]</u>
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