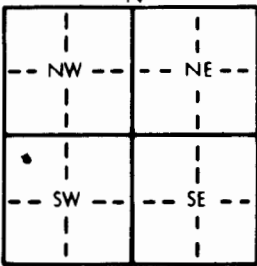


1 LOCATION OF WATER WELL: Fraction NW 1/4 NW 1/4 SW 1/4 Section Number 36 Township Number T 9 S Range Number R 7 EW
 County: RILEY

Distance and direction from nearest town or city street address of well if located within city?
1 MILE NORTH OF MANHATTAN, KS City Limits

2 WATER WELL OWNER: GREGG HAFENER
 RR#, St. Address, Box #: 3000 TUTTLE CR. BLVD Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: MANHATTAN, KS 66502 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

 4 DEPTH OF COMPLETED WELL: 185' ft. ELEVATION: North Slope
 Depth(s) Groundwater Encountered 1. 52 ft. 2. 164 ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: 155 ft. below land surface measured on mo/day/yr 2-10-86
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield: 15 gpm; Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: 8 in. to 185' ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS:
 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 If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes No _____

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded _____
 2 PVC 4 ABS 7 Fiberglass _____ Threaded _____
 Blank casing diameter: 5" in. to 185' ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface: 24" in., weight 2.82 lbs./ft. Wall thickness or gauge No. .258
 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 9 ABS 11 Other (specify) _____
 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 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 160' ft. to 180' ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 18' ft. to 185' 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 6' ft. to 18' 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? 150' To the North How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
1	8	Top Soil (Rocky)	104	110	GRAY ROCK
8	13	RED CLAY	110	122	GRAY SHALE
13	20	YELLOW ROCK	122	128	GRAY ROCK
20	28	Green Shale	128	132	BLACK SHALE
28	34	Yellow Rock	132	138	GRAY ROCK
34	40	Green Shale	138	145	Light SHALE
40	46	Yellow Rock	145	151	Light Rock
46	51	Green Shale	151	159	TAN SHALE
51	53	Yellow Rock (Little water)	159	164	Yellow Rock (WATER)
53	59	TAN SHALE	164	174	GREEN SHALE
63	70	Yellow Clay	174	177	GRAY ROCK
70	75	Yellow Rock	177	185	BLUE SHALE
75	89	Light (White) Shale			
89	94	White Rock			
94	104	Yellow Clay			

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) 2-10-86 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 202 This Water Well Record was completed on (mo/day/yr) 2-10-86 under the business name of RAY E. ENSLEY WELL Drilling by (signature) Ray E. Ensley

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.

OFFICE USE ONLY
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RECEIVED
 JUN 16 1986
 BUREAU OF OIL FILES & ENVIRONMENTAL GEOLOGY