Water Well Record Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Pratt | FRACTION: 1/4 1/4 center SW 1/4 | Section Number: 12 | Township Number: T 29 S | Range Number: R 15W E/W

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

7 m. S., 3/4 m. W., 1/4 m. N. of Haviland, Kansas

WATER WELL OWNER: ROSE, Merle (Starkey)

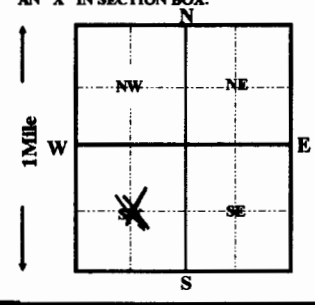
RR#, ST. ADRESS, BOX # : 120199 W. 1st St.

CITY, STATE, ZIP CODE : Haviland, Kansas 67059

Board of Agriculture, Divivsion of Water Resource

Application Number:

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



4 DEPTH OF COMPLETED WELL 188 ft. ELEVATION:

Depth(s) groundwater Encountered 1 ft. 2 ft. 3 ft.

WELL'S STATIC WATER LEVEL 109 FT. BELOW LAND SURFACE MEASURED ON mo/day/yr 09/09/1997

Pump test data: Well water was ft. after hours pumping gpm

Est. Yield gpm: Well water was airlifted for sample ft. after hours pumping gpm

Bore Hole Diameter 6 in. to 195 ft. and in. to ft.

WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Monitoring well 11 Injection well 12 Other (Specify below) GWMD#5

Was a chemical/bacteriological sample submitted to Department? Yes No X ; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes No

5 TYPE OF CASING USED: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (Specify below)

CASING JOINTS: Glued X Clamped Welded Threaded

Blank casing Diameter 3 in. to 178 ft., Dia 3 in. to 183-188 ft., Dia in. to ft.

Casing height above land surface 24 in., weight 1.956 lbs. / ft. Wall thickness or gauge No. .300

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless Steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 other (specify) 12 None used (open hole)

SCREEN OR PERFORATION OPENING ARE: 1 Continous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)

SCREEN-PERFORATION INTERVALS: from 178 ft. to 183 ft., From ft. to ft.

from ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: from 175 ft. to 195 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 bentonite hole plug

Grout Intervals: From 0 ft. to 170 ft. From ft. to ft. From 170 ft. to 175 ft.

What is the nearest source of possible contamination:

1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandon water well 15 Oil well/Gas well 16 Other (specify below) None Apparent

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	soil			
2	12	brown clay			
12	20	tan and white clay			
20	32	tan clay and caliche			
32	56	sandy brown clay			
56	88	fine to coarse sand and coarse gravel			
88	120	fine to medium sand and medium gravel			
120	183	coarse sand and gravel with boulders			
183	190	tan clay			
190	195	red shale			

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) 09/09/1997 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 236 This Water Well Record was completed on (mo/day/yr) 09/22/97

Under the business name of Harp Well & Pump Service, Inc by (signature) Todd S. Harp