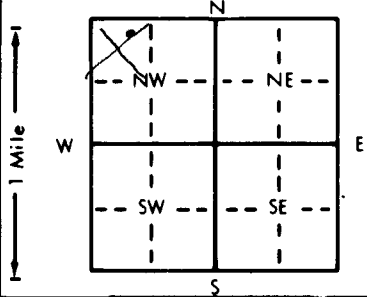


1 LOCATION OF WATER WELL: Fraction NE 1/4 NW 1/4 NW 1/4 Section Number 9 Township Number T 29 S Range Number R 37 EW
 County: GRANT

Distance and direction from nearest town or city street address of well if located within city?
Ulysses - Southon Hwy 25 - 2 mi 3/4 mi West & South ->

2 WATER WELL OWNER: Jim Harms Ph. 316-356-4942
 RR#, St. Address, Box #: 1651 West Rd. 14 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Ulysses, Kansas 67880 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL 440 ft. ELEVATION:



Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 290 ± ft. below land surface measured on mo/day/yr 7-18-97
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield 75 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter 12 1/4 in. to 18 in. and 10 1/4 in. to 450 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 Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No X; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes X No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped _____
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded _____
 2 PVC 4 ABS 7 Fiberglass Threaded _____
 Blank casing diameter 6.56 in. to 360 ft., Dia 6.56 in. to 400-420 ft., Dia _____ in. to _____ ft.
 Casing height above land surface 30 in., weight 200 lbs./ft. Wall thickness or gauge No. SDR-21

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

SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 1 Continuous slot 3 Mill slot 032 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____

SCREEN-PERFORATED INTERVALS: From 360 ft. to 400 ft., From 420 ft. to 440 ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 300 ft. to 440 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 3 ft. to 24 ft., From 290 ft. to 300 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? West How many feet? 220

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1	Topsoil	327	340	Sand w/ Tan Clay streaks
1	9	Brown Sandy Clay	340	368	Tan Sandy Clay
9	28	Tan Clay	358	360	Gravel
28	41	Brown Sandy Clay	360	365	Tan Clay
41	148	Tan clay w/ tan sandy clay strks.	365	368	Gravel
148	191	Yellow Clay & Sandy Clay	368	370	Clay
191	227	White & Grey Clay	370	376	medium sand
227	245	Yellow Clay	376	380	Tan Sandy Clay
245	264	Pink tan Sandy Clay w/ Fine Sand Strks.	380	394	Fine Sand
264	272	Sand w/ Tan Sandy Clay	394	414	Tan Clay
272	291	Pink Sandy Clay + sandstone	414	427	Coarse Sand + sandstone
291	301	Cemented coarse sand	427	435	Yellow Clay w/ coarse sand streaks
301	316	Brown Clay	435	438	Small gravel
316	321	Cemented sand + sandstone	438	443	Yellow Clay
321	327	Brown Clay	443	450	Black 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) 7-18-97 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 600-A This Water Well Record was completed on (mo/day/yr) 7-20-97 under the business name of CRAMER DRIG. Co. by (signature) Ray Cramer