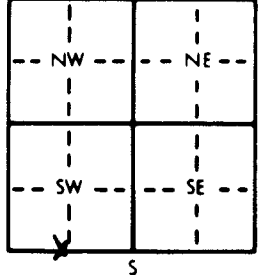


LOCATION OF WATER WELL: County: Osborne Fraction: Along S. line Section Number: 36 Township Number: T 7 S Range Number: R 12 EW

Distance and direction from nearest town or city street address of well if located within city? 4 miles East, 3 miles South, and 1/4 mile east of Osborne

WATER WELL OWNER: Penco Engineering Test hole to find Shale depth
 IR#, St. Address, Box #: P.O. Box 392
 City, State, ZIP Code: Plainville Kansas 67663 Board of Agriculture, Division of Water Resources
 Application Number: _____

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: DEPTH OF COMPLETED WELL: NA ft. ELEVATION: _____



Depth(s) Groundwater Encountered: 1. NA ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: NA ft. below land surface measured on mo/day/yr
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield: NA gpm Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: 6 in. to 40 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) lithologic hole
 Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes Yes No

TYPE OF BLANK 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) 994 CASING JOINTS: Glued _____ Clamped _____ Welded _____ Threaded _____
 Blank casing diameter: _____ in. to _____ ft., Dia. _____ in. to _____ ft., Dia. _____ in. to _____ ft.
 Casing height above land surface: _____ in., weight _____ lbs./ft. Wall thickness or gauge No. _____

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) NA 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous 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-PERFORATED INTERVALS: From _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 40 ft. to 20 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout Intervals: From 20 ft. to 0 ft., From _____ ft. to _____ ft., From _____ ft. to _____ 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 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) Nothing observed

Direction from well?		LITHOLOGIC LOG		PLUGGING INTERVALS	
FROM	TO	FROM	TO	FROM	TO
0	5	Loess	40	20	CMA Gravel Pack
5	12	Drk gr. soil / slightly clay	20	0	Medium bentonite chip
12	14	Clay gray unsaturated			
14	15	Clay gray - tan			
15	19	lms. unconsolidated			
19	20	gravel & sd. iron stained			
20	23	lms. water polished, rd, smooth			
23	27	lms, sd, rd smooth			
27	32	Sd, unconsolid. med gr. well sorted			
32	34	lms, unconsolidated river gravel			
34	36	Drk gr. weathered shale			
36	40	Hard shale			

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) 6-19-96 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 608 This Water Well Record was completed on (mo/day/yr) 6-2-96 under the business name of Yellow Jacket Drilling by (signature) E. J. Waddell, geologist