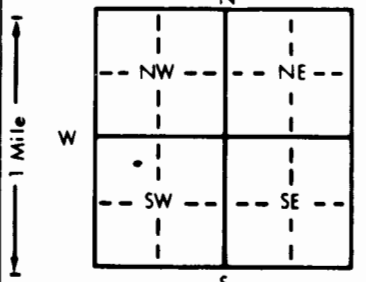


1 LOCATION OF WATER WELL: Fraction NE Section Number 29 Township Number T 24 S Range Number R 4 EW
 County: Butler

Distance and direction from nearest town or city street address of well if located within city?
1/4 south of Potwin, KS

2 WATER WELL OWNER: Total Petroleum Inc.
 RR#, St. Address, Box #: P.O. Box 500 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Denver, CO 80201 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  DEPTH OF COMPLETED WELL: 40 ft. ELEVATION: 1347.4
 Depth(s) Groundwater Encountered 1. 21.76 ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: 21.76 ft. below land surface measured on mo/day/yr 6/13/88
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield _____ gpm; Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: 7 7/8 in. to 40 ft., and _____ in. to _____ 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 Observation well
 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 BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped _____
2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____
 7 Fiberglass _____ Threaded _____
 Blank casing diameter 4 in. to 30 ft., Dia. _____ in. to _____ ft., Dia. _____ in. to _____ ft.
 Casing height above land surface: 1'10" in., weight schedule 40 lbs./ft. Wall thickness or gauge No. _____
 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 8 RMP (SR) 11 Other (specify) _____
 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 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 30 ft. to 40 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 24.6 ft. to 40 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 0 ft. to 22.6 ft., From 22.6 ft. to 24.6 ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage 16 Other (specify below)
 Direction from well? at well site How many feet? 50 ft.

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	9	Clay, med. to dark brown, very plastic, silty.			Shale, yellow-tan, limey and silty
			22.6	30	Shale, gray-tan, limey and silty, dry
9	15	Limestone/limey shale, interbedded yellow-tan w/abundant geodic white quartz nodules.	30	31	Shale, dark gray, slightly limey and silty. Dry
			31	35	Same as above, moist w/slight product odor.
15	16	Limestone, shaley, tan w/some black flint.	35	38	Shale, yellow-tan, moist, slightly limey and silty, slight prod. odor
16	18	Same as above grading into limestone, light gray, dense, fine-grained, no nodules	38	40	Limestone, tan @ 2" thick on top of clay, tan, silty, limey
			40	TD	Shale, gray-tan, silty, limey, moist w/very strong product odor (gasoline)
18	22.6	Same as above w/some yellow-tan clay and white geodic quartz nodules			Same as above

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) 9-30-87 and this record is true to the best of my knowledge and belief. Kansas
 Water Well Contractor's License No. WWC 334 This Water Well Record was completed on (mo/day/yr) 8-31-88
 under the business name of Ewbank Inc. by (signature) [Signature]