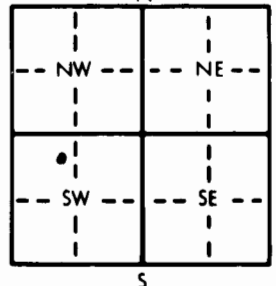


LOCATION OF WATER WELL: Butler Fraction 1/4 NE 1/4 NW SW 1/4 Section Number 29 Township Number T 24 Range Number R 4

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

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

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 80 ft. ELEVATION: 1348
 Depth(s) Groundwater Encountered 1. 23.5 ft. 2. _____ ft. 3. _____ ft.



WELL'S STATIC WATER LEVEL 23.5 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 12 1/4 in. to 60 ft., and 7 7/8 in. to 60-75 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 _____

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 8 in. to 60 ft. Dia. 4 in. to 63 ft. Dia. _____ in. to _____ ft.
 Casing height above land surface 1/2 & 2 in., weight Schedule 40 lbs./ft. Wall thickness or gauge No. _____

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement 11 Other (specify) _____
 2 Brass 4 Galvanized steel 6 Concrete tile 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 63 ft. to 73 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 10 ft. to 55 ft., From 59 ft. to 73 ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other See attached note
 Grout intervals: From _____ ft. to _____ 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? at well site How many feet? 50 ft. (IN FIELD)

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	7	Clay, silty, brown, very plastic	73	77	Shale, dark gray
7	10	Shale (silty) and limestone inter-bedded w/abundant geodic white nodules and black flint.	77	80	Limestone, medium gray
			80		Same as above
10	13	Limestone, shaley, yellow-tan w/strong product or solvent odor			
13	15	Shale, limey, gray-tan, silty			
15	18.6	Limestone, gray, very fine grained w/some interbedded 4" + shale layers, silty, limey, gray-tan			
18.6	65	Shale, limey, yellow-tan, silty			
65	70	Limestone, dark gray, w/some shale layers, dark gray to black			
70	73	Same as above w/some lighter gray limestone, medium gray			

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) 10-1-87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. WCC 334 This Water Well Record was completed on (mo/day/yr) 8-3-88 under the business name of Subank Inc. by (signature) [Signature]

NEAT CEMENT

0 to 50 ft. & 6 to 10 ft.

NATIVE BACKFILL MATERIALS

75 ft. to 80 ft.

BENTONITE PELLETS

50 ft. to 60 ft.

55 ft. to 59 ft.