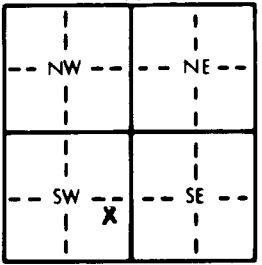


1 LOCATION OF WATER WELL: County: Cowley Fraction: 1/4 N-2 1/4 SE 1/4 SW 1/4 Section Number: 32 Township Number: T 34 S Range Number: R 4 EW

Distance and direction from nearest town or city street address of well if located within city? RW-60

2 WATER WELL OWNER: Total Petroleum
 RR#, St. Address, Box #: 1400 S. M Street
 City, State, ZIP Code: Arkansas City, Ks 67821
 Board of Agriculture, Division of Water Resources
 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 49.7 ft. ELEVATION: 49.7 ft.
 Depth(s) Groundwater Encountered 1. 23' 6" ft. 2. 24' 6" ft. 3. 9/14/95 ft.
 WELL'S STATIC WATER LEVEL: 23' 6" ft. below land surface measured on mo/day/yr 9/14/95
 Pump test data: Well water was 24' 6" ft. after 8 hours pumping 60 gpm
 Est. Yield 18 gpm; Well water was 49.7 ft. after 8 hours pumping 60 gpm
 Bore Hole Diameter: 1.8 in. to 49.7 ft., and 1.8 in. to 49.7 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) Recovery Well
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes No If yes mo/day/yr sample was submitted 9/14/95
 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 Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing diameter: 8 in. to 20.5 ft., Dia 8 in. to 45.7-49.7 ft., Dia 8 in. to 45.7-49.7 ft.
 Casing height above land surface: 20.4 in., weight 28.55 lbs./ft. Wall thickness or gauge No. Sch 40
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) 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 20.5 ft. to 45.7 ft., From 20.5 ft. to 45.7 ft., From 20.5 ft. to 45.7 ft., From 20.5 ft. to 45.7 ft.
 GRAVEL PACK INTERVALS: From 13 ft. to 49.7 ft., From 13 ft. to 49.7 ft., From 13 ft. to 49.7 ft., From 13 ft. to 49.7 ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 0 ft. to 11 ft., From 11 ft. to 13 ft., From 11 ft. to 13 ft., From 11 ft. to 13 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? Within refinery How many feet? 13

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	10	Silty clay			
10	15	Sand			
15	20	Sandy clay			
20	51	Sand			
51		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) 9/17/95 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 581 This Water Well Record was completed on (mo/day/year) 9/20/95 under the business name of Layne, Inc by (signature) Steven R. Mitchell

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R EW SEC. 1/4 1/4 1/4