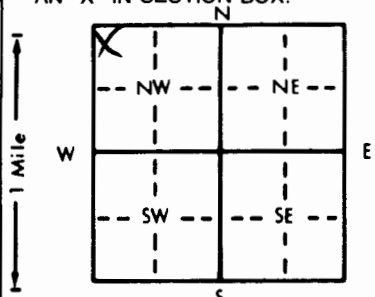


1 LOCATION OF WATER WELL: County: COWLEY Fraction: NW 1/4 NW 1/4 NW 1/4 Section Number: 5 Township Number: T 35 S Range Number: R 4 E

Distance and direction from nearest town or city street address of well if located within city?
1400 SOUTH M STREET ARKANSAS CITY, KANSAS

2 WATER WELL OWNER: TOTAL PETROLEUM, INC WELL #10 OFFSET
 RR#, St. Address, Box #: PO. Box 857 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: ARKANSAS CITY, KANSAS 67005 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 39.5 ft. ELEVATION:



Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL: 19 ft. below land surface measured on mo/day/yr
 Pump test data: Well water was 23.5 ft. after 2 1/2 hours pumping 380 gpm
 Est. Yield gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter: 38 in. to 10 ft., and 30 in. to 39.5 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 ; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded X
 2 PVC 4 ABS 7 Fiberglass Threaded
 Blank casing diameter: 16 in. to ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface: 36 in., weight lbs./ft. Wall thickness or gauge No.

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 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 29.5 ft. to 39.5 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 20 ft. to 39.5 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 20 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 OIL STORAGE
 Direction from well? NORTH How many feet? 50

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	5	FINE SILTY SAND			
5	10	SILTY CLAY w/ FINE TO MED SAND			
10	20	FINE TO MED SAND			
20	35	MED TO COARSE SAND w/ GRAVELS			
35	39	MED TO COARSE SAND w/ GRAVELS & CALCITE STRINGERS			
39	39.5	WEATHERED LIMESTONE & GREY 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) 12-13-91 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 102 This Water Well Record was completed on (mo/day/yr) 1-10-97 under the business name of LAYNE-WESTERN COMPANY INC. by (signature) Carl R. Jones, PE.