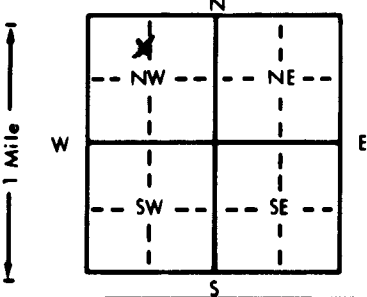


1 LOCATION OF WATER WELL: Fraction NE 1/4 NW 1/4 NE 1/4 Section Number 5 Township Number T 35 S Range Number R 4 EW
 County: Cowley

Distance and direction from nearest town or city street address of well if located within city?
1400 South M Street

2 WATER WELL OWNER: Total Petroleum, Inc. Board of Agriculture, Division of Water Resources
 RR#, St. Address, Box #: P.O. Box 857 Application Number:
 City, State, ZIP Code: Arkansas City, Kansas 67005

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 45.0 ft. ELEVATION: 1065.17

Depth(s) Groundwater Encountered 1. 18.0 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 18.0 ft. below land surface measured on mo/day/yr 8-1-88
 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: 8.0 in. to 45.0 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 X

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 Stainless Steel Threaded X

Blank casing diameter 2.0 in. to 30 ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface 36 in., weight lbs./ft. Wall thickness or gauge No. 5

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 7 PVC 10 Asbestos-cement
 2 Brass 4 Galvanized steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)
 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 30 ft. to 45 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 24 ft. to 45 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 Volclay
 Grout intervals: From 3 ft. to 24 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 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? South How many feet? 200 150

| FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|---|----|---|------|----|----------------|
| 0 | 2 | Clayey Sand: Dark Brown | | | |
| 2 | 37 | Sand: Yellowish Brown to Light Grey at 17. | | | |
| 37 | 44 | Gravelly Sand: Light Grey, with gravels to 37 | | | |
| 44 | 45 | Shale: Light Greyish Brown | | | |
| Grout Variance Granted 10/27/88 by D. Plummer | | | | | |

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) 8-1-88 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 196 This Water Well Record was completed on (mo/day/yr) 8-23-88 under the business name of Amel's Drilling by (signature) [Signature]

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. 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 1/4