

MW-21

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Empty box for application number

1 LOCATION OF WATER WELL: County: Riley, Fraction: NE 1/4 NE 1/4 SW 1/4 NW 1/4, Section Number: 18, Township No.: T 10 S, Range Number: R 8 [X]E [ ]W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: 1706 Laramie, Manhattan, KS. Global Positioning System (GPS) information: Latitude: 39.18.49, Longitude: 96.5667, Elevation: [ ], Datum: [ ] WGS 84, [X] NAD 83, [ ] NAD 27

2 WATER WELL OWNER: Atlantic Richfield Company, RR#, Street Address, Box #: 501 Westlake Park Blvd, City, State, ZIP Code: Houston, TX 77079. Collection Method: [X] GPS unit (Make/Model: Garmin 60), [ ] Digital Map/Photo, [ ] Topographic Map, [ ] Land Survey Est. Accuracy: [ ] <3 m, [X] 3-5 m, [ ] 5-15 m, [ ] >15 m

3 LOCATE WELL WITH AN "X" IN SECTION BOX: Diagram showing a 4-section grid with 'X' in the NW section. Includes a 1-mile scale bar.

4 DEPTH OF COMPLETED WELL: 17 ft. Depth(s) Groundwater Encountered (1) 14 ft. (2) [ ] ft. (3) [ ] ft. WELL'S STATIC WATER LEVEL: 14 ft. below land surface measured on mo/day/yr. 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 in. to 17 ft., and [ ] in. to [ ] ft. WELL WATER TO BE USED AS: [ ] Public water supply, [ ] Geothermal, [ ] Injection well, [ ] Domestic, [ ] Feedlot, [ ] Oil field water supply, [ ] Dewatering, [ ] Other (Specify below), [ ] Irrigation, [ ] Industrial, [ ] Domestic-lawn & garden, [X] Monitoring well. Was a chemical/bacteriological sample submitted to Department? [ ] Yes [X] No. If yes, mo/day/yr sample was submitted: [ ]. Water well disinfected? [ ] Yes [X] No

5 TYPE OF CASING USED: [ ] Steel [X] PVC [ ] Other. CASING JOINTS: [ ] Glued [ ] Clamped [ ] Welded [X] Threaded. Casing diameter 2 in. to 7 ft., Diameter [ ] in. to [ ] ft., Diameter [ ] in. to [ ] ft. Casing height above land surface: Flush in., Weight [ ] lbs./ft., Wall thickness or gauge No. Sch. 40. TYPE OF SCREEN OR PERFORATION MATERIAL: [ ] Steel [ ] Stainless Steel [X] PVC [ ] Other (Specify). SCREEN OR PERFORATION OPENINGS ARE: [ ] Continuous slot [X] Mill slot [ ] Gauze wrapped [ ] Torch cut [ ] Drilled holes [ ] None (open hole), [ ] Louvered shutter [ ] Key punched [ ] Wire wrapped [ ] Saw cut [ ] Other (specify). SCREEN-PERFORATED INTERVALS: From 17 ft. to 7 ft., From [ ] ft. to [ ] ft., From [ ] ft. to [ ] ft. GRAVEL PACK INTERVALS: From 17 ft. to 5 ft., From [ ] ft. to [ ] ft., From [ ] ft. to [ ] ft.

6 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [ ] Other. Grout Intervals: From 5 ft. to 7 ft., From [ ] ft. to [ ] ft., From [ ] ft. to [ ] ft. What is the nearest source of possible contamination: [ ] Septic tank [ ] Lateral lines [ ] Pit privy [ ] Livestock pens [ ] Insecticide storage [X] Other (specify below), [ ] Sewer lines [ ] Cesspool [ ] Sewage lagoon [ ] Fuel storage [ ] Abandoned water well, [ ] Watertight sewer lines [ ] Seepage pit [ ] Feedyard [ ] Fertilizer storage [ ] Oil well/gas well. Former Gas Station. Direction from well [ ], Distance from well [ ]

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show depth intervals and lithology: 0-8 Sand, 8-11 Silty, 11-14 Sand, 14-17 Silty Clay.

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [ ] reconstructed, or [ ] plugged under my jurisdiction and was completed on (mo/day/year) 6/20/11 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 710. This Water Well Record was completed on (mo/day/year) 7/19/11 under the business name of Below Ground Surface, Inc. by (signature) [ ]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.