

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Sheridan Fraction NE 1/4 NE 1/4 NW 1/4 1/4 Section Number 31 Township No. T 10 S Range Number R 28 [ ]E [X]W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here [ ]. 3 miles north, 1 west of Grainfield, Ks 67737
2 WATER WELL OWNER: Apache Oil and Gas RR#, Street Address, Box #: 2000 Post Oak Blvd Suite 100 City, State, ZIP Code : Houston, Tx 77056
Global Positioning System (GPS) information: Latitude: ... (in decimal degrees) Longitude: ... (in decimal degrees) Elevation: ... Datum: [ ] WGS 84, [ ] NAD 83, [ ] NAD 27 Collection Method: [ ] GPS unit (Make/Model: ...) [ ] Digital Map/Photo, [ ] Topographic Map, [ ] Land Survey Est. Accuracy: [ ] <3 m, [ ] 3-5 m, [ ] 5-15 m, [ ] >15 m

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W E S [Diagram showing a 4-quadrant section box with 'X' in the NW quadrant and a 1-mile scale bar]
4 DEPTH OF COMPLETED WELL 100 ft. Depth(s) Groundwater Encountered (1).46 ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL.45 ft. below land surface measured on mo/day/yr.08/03/12..... Pump test data: Well water was.54.....ft. after.1..... hours pumping.120..... gpm EST. YIELD.120.....gpm. Well water was.....ft. after..... hours pumping..... gpm Bore Hole Diameter 10.....in. to .100.....ft., and .....in. to .....ft. WELL WATER TO BE USED AS: [ ] Public water supply [ ] Geothermal [ ] Injection well [ ] Domestic [ ] Feedlot [X] Oil field water supply [ ] Dewatering [ ] Other (Specify below) [ ] Irrigation [ ] Industrial [ ] Domestic-lawn & garden [ ] Monitoring well Was a chemical/bacteriological sample submitted to Department? [ ] Yes [X] No If yes, mo/day/yr sample was submitted..... Water well disinfected? [X] Yes [ ] No

5 TYPE OF CASING USED: [ ] Steel [X] PVC [ ] Other CASING JOINTS: [X] Glued [ ] Clamped [ ] Welded [ ] Threaded Casing diameter .5..... in. to .100..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft. Casing height above land surface.24..... in., Weight 2.91.....lbs./ft., Wall thickness or gauge No. ..21..... TYPE OF SCREEN OR PERFORATION MATERIAL: [ ] Steel [ ] Stainless Steel [X] PVC [ ] Other (Specify) [ ] Brass [ ] Galvanized Steel [ ] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [ ] Continuous slot [ ] Mill slot [ ] Gauze wrapped [ ] Torch cut [ ] Drilled holes [ ] None (open hole) [ ] Louvered shutter [ ] Key punched [ ] Wire wrapped [X] Saw cut [ ] Other (specify) SCREEN-PERFORATED INTERVALS: From.100..... ft. to .60..... ft., From ..... ft. to ..... ft. From ..... ft. to ..... ft. From ..... ft. to ..... ft. GRAVEL PACK INTERVALS: From.100..... ft. to .20..... ft., From ..... ft. to ..... ft. From ..... ft. to ..... ft. From ..... ft. to ..... ft.

6 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [ ] Other Grout Intervals: From .20..... ft. to 0..... 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 [ ] 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 Direction from well ..... Distance from well .....

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include: 0-2 Top Soil, 2-45 Sand & clay, 45-75 Coarse Gravel, 75-95 Sand & some clay, 95-100 Limestone 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) 08/15/12..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 0199..... This Water Well Record was completed on (mo/day/year) 09/14/12..... under the business name of Karst Water Well Drilling & Service, 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 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. I include fee of \$5.00 for each constructed well. Visit us at