

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
Global Positioning System (GPS) information: Latitude: Longitude: 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

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
3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W E S [Diagram showing a 2x2 grid with 'X' in the NW quadrant and a 1-mile scale bar]
4 DEPTH OF COMPLETED WELL 120 ft. Depth(s) Groundwater Encountered (1).46 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 46 ft. below land surface measured on mo/day/yr. 8/07/12 Pump test data: Well water was 50 ft. after 1 hours pumping 150 gpm EST. YIELD 150 gpm Well water was ft. after hours pumping gpm Bore Hole Diameter 10 in. to 120 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 120 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 30 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 0 ft. to 20 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, 45-50 Sand & Clay layers, 50-54 Gumbo clay, 54-78 Coarse sand, 78-100 Gumbo clay, 100-110 Lime stone clay, 110-120 Shale.

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) 08/16/12 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) 09/12/12 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. Include fee of \$5.00 for each constructed well. Visit us at