

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No. [ ]

1 LOCATION OF WATER WELL: County: Hamilton Fraction SE 1/4 NW 1/4 SE 1/4 NW 1/4 Section Number 7 Township No. T 24 S Range Number R 40 [ ] E [ ] W
Street/Rural Address of Well Location: if unknown, distance & direction from nearest town or intersection: If at owner's address, check here [ ]
Ark Valley Oil Company
240 Avenue A, Syracuse, KS 67878
2 WATER WELL OWNER: Ark Valley Oil Company RR#, Street Address, Box #: PO Box 1027 City, State, ZIP Code : Syracuse, KS
Global Positioning System (GPS) information: Latitude: 37.98105 Longitude: 101.75463 Elevation: 3232.37 Datum: [ ] WGS 84, [x] NAD 83, [ ] NAD 27 Collection Method: [ ] GPS unit (Make/Model: ) [ ] Digital Map/Photo, [ ] Topographic Map, [x] 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 1 mile
4 DEPTH OF COMPLETED WELL 22 ft. Depth(s) Groundwater Encountered (1) 18 ft. (2) N/A ft. (3) N/A ft. WELL'S STATIC WATER LEVEL 18.21 ft. below land surface measured on mo/day/yr. 11-13-13 Pump test data: Well water was N/A ft. after N/A hours pumping N/A gpm EST. YIELD N/A gpm. Well water was N/A ft. after N/A hours pumping N/A gpm Bore Hole Diameter 8.25 in. to 22 ft., and N/A in. to N/A 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 MW-8 Was a chemical/bacteriological sample submitted to Department? [ ] Yes [x] No If yes, mo/day/yr sample was submitted N/A 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 12 ft., Diameter N/A in. to N/A ft., Diameter N/A in. to N/A ft. Casing height above land surface 0 in., Weight N/A lbs./ft., Wall thickness or gauge No. Schedule 40 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 [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 12 ft. to 22 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft. GRAVEL PACK INTERVALS: From 10 ft. to 22 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.

6 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [x] Bentonite [x] Other Concrete 0-2 feet Grout Intervals: From 2 ft. to 10 ft., From N/A ft. to N/A ft., From N/A ft. to N/A 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 [x] Fuel storage [ ] Abandoned water well [ ] Watertight sewer lines [ ] Seepage pit [ ] Feedyard [ ] Fertilizer storage [ ] Oil well/gas well Direction from well North Distance from well 2.185 feet

Table with 4 columns: FROM, TO, LITHOLOGIC LOG, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows contain handwritten descriptions of soil layers such as 'Gravel cobble coarse sand', 'Clayey silt brown slightly moist trace plasticity med stiff', 'Silty clay brown moist med stiff med plastic', 'Sand fine to med. moist light brown trace pebbles', and 'Sand small gravel'.

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) and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 759 This Water Well Record was completed on (mo/day/year) 12/9/2013 under the business name of RAZEK Environmental, LLC 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 one copy 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 http://www.kdheks.gov/waterwell/index.html