

WATER WELL RECORD

Form WWC-5

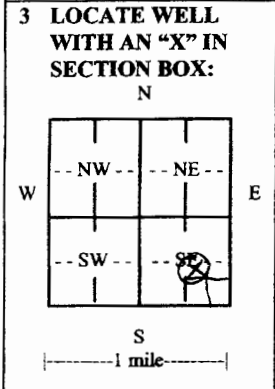
Division of Water Resources App. No.

MW-10

1 LOCATION OF WATER WELL: County: COWLEY Fraction SE 1/4 SE 1/4 NW 1/4 1/4 Section Number 28 Township No. T 32 S Range Number R 4 [X]E []W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here []. 1110 Main Street, Winfield, KS 67156 Global Positioning System (GPS) information: Latitude: .37.2383 (in decimal degrees) Longitude: 96.9968 (in decimal degrees) Elevation: Datum: [] WGS 84, [] NAD 83, [] NAD 27 Collection Method: [] GPS unit (Make/Model: Google Earth) [] Digital Map/Photo, [] Topographic Map, [] Land Survey Est. Accuracy: [] <3 m, [X] 3-5 m, [] 5-15 m, [] >15 m

2 WATER WELL OWNER: BP/Amoco RR#, Street Address, Box #: 1701 Summit Avenue City, State, ZIP Code : Plano, TX 75074



4 DEPTH OF COMPLETED WELL 23.50' ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 16.96' ft. below land surface measured on mo/day/yr. 2/5/15 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 8.50" in. to 23.5' 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 2.0" in. to 13.5' 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) [] 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 13.5' ft. to 23.5' ft., From..... ft. to..... ft. From..... ft. to..... ft., From..... ft. to..... ft. GRAVEL PACK INTERVALS: From 11.5' ft. to 23.5' ft., From..... ft. to..... ft. From..... ft. to..... ft., From..... ft. to..... ft.

6 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete Grout Intervals: From 0 ft. to 1.0' ft., From 1.0' ft. to 11.5' 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) [X] 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. Row 1: FROM, TO, See Boring Log, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS

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) 02/04/2015 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 606 This Water Well Record was completed on (mo/day/year) 02/23/2015 under the business name of PSA Environmental 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.

SCS AQUATERRA				LOG OF BORING NO.: MW-10				SHEET NUMBER 1 of 2						
7311 West 130th, Overland Park, KS 66213				WELL ID TAG:				DRILLING CONTRACTOR: PSA Environmental						
CLIENT: KDHE-BER				DRILLER: Aaron Butler				WELL CONSTRUCTION DETAILS						
PROJECT NAME: Former Standard Site				DRILLING RIG: Geoprobe 6610 DT				MATERIAL: PVC						
KDHE PROJECT NO: U2-018-14413				DRILLING METHOD: Dual Tube Macro				DIAMETER: 2 IN						
PROJECT LOCATION: 1110 Main Street, Winfield, KS				SAMPLING METHOD: 5' Continuous Sampler				WELL TOTAL DEPTH: 23 FT BGS						
BORING LOCATION: Northeast corner of Main Street and 11th Avenue				BORING DIAMETER: -8.5"				SCREEN LENGTH: 10 FT						
PROJECT NUMBER: 27213266.10				WELL DIAMETER: 2"				RISER LENGTH: 13 FT						
GEOLOGIST: Adam Parris				WELL COMPLETION: Flush Mount				TOP OF SCREEN: 13 FT BGS						
START DATE: 2/4/2015 FINISH DATE: 2/4/2015				SURFACE ELEVATION:				BOTTOM OF SCREEN: 23 FT BGS						
START TIME: 10:45 FINISH TIME: 12:15				TOC ELEVATION:				SCREEN SLOT: 0.01 IN						
				WATER LEVEL:				TOP OF FILTER PACK: 11 FT BGS						
				WATER ELEVATION: 0.00				TOP OF SEAL: 1.5 FT BGS						
				DATE:				TYPE OF SEAL: Bentonite Chips						
SAMPLE TYPE	SAMPLE DEPTH	PID (PPM)	RECOVERY (INCHES)	DEPTH IN FEET	USCS CLASS	C	SOIL DESCRIPTION AND DRILLING CONDITIONS				NOTES AND WELL CONSTRUCTION			
				1	CL		Mulch, Topsoil				Flush-mount completion			
	0-5	0		2			Silty CLAY, Dark Brown, Moist, Medium Stiff, Plastic							
				3			CLAY, Reddish Brown, Slightly Moist, Stiff, Highly Plastic							
				4										
				5										
				6										
				7										
	5-10	2		8										
				9										
				10										
				11			CLAY, Grayish Brown, very moist, medium stiff, Highly Plastic							
				12										
				13			- soft, very moist							
				14										
				15										
				16			CLAY, light tan, saturated, with GRAVEL and coarse SAND							
				17										
				18										
				19										
				20	SP		Gravel Pack 10 to 22'							

LEGEND: PID - Photoionization Detector HA - Hand Auger
 SS - Split Spoon PP - Pocket Penetrometer WB - Wash Bore
 CS - 5 foot CME Sampler HSA - Hollow Stem Augers RB - Rock Bit
 ST - Shelby Tube NX - Rock Core

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY LINES BETWEEN SOIL AND ROCK TYPES: ACTUAL TRANSITIONS MAY BE GRADUAL.