

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

MW-8

1 LOCATION OF WATER WELL: County: COWLEY Fraction NE 1/4 NE 1/4 SW 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: 37.2369 Longitude: 96.9958 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

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W E S [Diagram showing a 2x2 grid with 'X' in the NE quadrant]

4 DEPTH OF COMPLETED WELL 23.0' ft. Depth(s) Groundwater Encountered (1) (2) (3) ft. WELL'S STATIC WATER LEVEL 17.15' ft. below land surface measured on mo/day/yr. 2/5/15 Pump test data: Well water was... EST. YIELD... Bore Hole Diameter 8.50" in. to 23.0' ft. and... 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 13.0' ft., Diameter... 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 13.0' ft. to 23.0' ft. GRAVEL PACK INTERVALS: From 11.0' ft. to 23.0' 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 11.0' 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

7311 West 130th, Overland Park, KS 66213

CLIENT: KDHE-BER

PROJECT NAME: Former Standard Site

KDHE PROJECT NO: U2-018-14413

PROJECT LOCATION: 1110 Main Street, Winfield, KS

BORING LOCATION: West right of way of Millington Street south of 12th Avenue

PROJECT NUMBER: 27213266.10

GEOLOGIST: Adam Parris

START DATE: 2/4/2015 FINISH DATE: 2/4/2015

START TIME: 14:00 FINISH TIME: 15:30

LOG OF BORING NO.: **MW-8**

SHEET NUMBER 1 of 2

WELL ID TAG:

DRILLING CONTRACTOR: PSA Environmental

DRILLER: Aaron Butler

DRILLING RIG: Geoprobe 6610 DT

DRILLING METHOD: Dual Tube Macro

SAMPLING METHOD: 5' Continuous Sampler

BORING DIAMETER: ~8.5"

WELL DIAMETER: 2"

WELL COMPLETION: Flush Mount

SURFACE ELEVATION:

TOC ELEVATION:

WATER LEVEL:

WATER ELEVATION: 0.00

DATE:

## WELL CONSTRUCTION DETAILS

MATERIAL: PVC

DIAMETER: 2 IN

WELL TOTAL DEPTH: 23 FT BGS

SCREEN LENGTH: 10 FT

RISER LENGTH: 13 FT

TOP OF SCREEN: 13 FT BGS

BOTTOM OF SCREEN: 23 FT BGS

SCREEN SLOT: 0.01 IN

TOP OF FILTER PACK: 11 FT BGS

TOP OF SEAL: 1.5 FT BGS

TYPE OF SEAL: Bentonite Chips

TYPE OF FILTER PACK: Silica Sand

SAMPLE TYPE	SAMPLE DEPTH	PID (PPM)	RECOVERY (INCHES)	DEPTH IN FEET	USCS CLASS	C I
				1	CL	
				2		
	0-5	0		3		
				4		
				5		
				6		
				7		
	5-10	0.0		8		
				9		
				10		
				11		
				12		
	10-15	0.0		13		
				14		
				15		
				16		
				17		
	15-20	1		18		
				19		
				20		SP

Grass, Topsoil  
Silty CLAY, Dark Brown, Moist, Medium Stiff, Plastic

CLAY, Reddish Brown, Slightly Moist, Stiff, Highly Plastic

~ soft, very moist

CLAY, light brown, saturated, with GRAVEL and coarse SAND

Flush-mount completion

Bentonite chips 0.5 to 10'

Gravel Pack 10 to 22'

### LEGEND:

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

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