

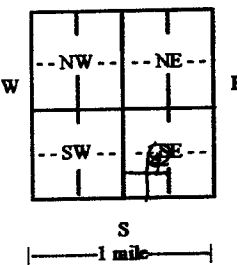
WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

MW-15

1 LOCATION OF WATER WELL: County: Comanche	Fraction SE ¼ SW ¼ NE ¼ NW ¼	Section Number 3	Township No. T 33 S	Range Number R 20 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> 401 N. Broadway Avenue, Protection, KS 67127		Global Positioning System (GPS) information: Latitude: 37.2038 (in decimal degrees) Longitude: 99.4846 (in decimal degrees) Elevation: Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input type="checkbox"/> GPS unit (Make/Model: Google Earth) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input checked="" type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m		
2 WATER WELL OWNER: Farmers Coop RR#, Street Address, Box #: 401 N. Broadway Avenue City, State, ZIP Code : Protection, KS 67127				

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N  W E S 1 mile	4 DEPTH OF COMPLETED WELL 26.0' ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 17.30' ft. below land surface measured on mo/day/yr. 2/18/15 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 26.0' ft., and..... in. to..... ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted..... Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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5 TYPE OF CASING USED: Steel PVC Other

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter 2" in. to 11.0' 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 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 Saw cut Other (specify)

SCREEN-PERFORATED INTERVALS: From 11.0' ft. to 26.0' ft., From..... ft. to..... ft.
 From..... ft. to..... ft., From..... ft. to..... ft.

GRAVEL PACK INTERVALS: From 9.0' ft. to 26.0' ft., From..... ft. to..... ft.
 From..... ft. to..... ft., From..... ft. to..... ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete

Grout Intervals: From 0' ft. to 1.0' ft., From 9.0' 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.....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		See Boring Log			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 01/24/2015... 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) 04/01/2015
 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%20Aquaterra%20small%20sh...						LOG OF BORING NO.: MW-15 KDHE ID TAG: 0051142		SHEET NUMBER 1 of 2	
7311 West 130th Street, Suite 100, Overland Park, KS, 66213						DRILLING CONTRACTOR: PSA Environmental		WELL CONSTRUCTION DETAILS	
CLIENT: Farmers Coop						DRILLER: Aaron Butler		MATERIAL: PVC	
PROJECT NAME: Former Protection Coop Supply						DRILLING RIG: Geoprobe 6620 DT		DIAMETER: 2 IN	
PROJECT NUMBER: U1-017-00242						DRILLING METHOD: Direct Push		WELL TOTAL DEPTH: 26 FT BGS	
PROJECT LOCATION: 401 North Broadway, Protection, Kansas						SAMPLING METHOD: 4' Continuous Dual Tube		SCREEN LENGTH: 15 FT	
						BORING DIAMETER: 8"		RISER LENGTH: 11 FT	
BORING LOCATION: Southeast corner of center UST basin						WELL DIAMETER: 2"		TOP OF SCREEN: 11 FT BGS	
PROJECT NUMBER: 27214275.00						WELL COMPLETION: Flush Mount		BOTTOM OF SCREEN: 26 FT BGS	
GEOLOGIST: Adam Paris						SURFACE ELEVATION:		SCREEN SLOT: 0.01 IN	
START DATE: 1/21/2015 FINISH DATE: 1/21/2015						TOC ELEVATION:		TOP OF FILTER PACK: 9 FT BGS	
START TIME: 8:35 FINISH TIME: 11:00						WATER LEVEL:		TOP OF SEAL: 2 FT BGS	
						WATER ELEVATION: 0.00		TYPE OF SEAL: 3/8" Bentonite Chips	
						DATE:		TYPE OF FILTER PACK: 10/20 Silica Sand	
						SOIL DESCRIPTION AND DRILLING CONDITIONS		NOTES AND WELL CONSTRUCTION	
						GRAVEL, SAND, SILT, CONCRETE			
						SILT, clayey, dark brown, slightly moist, medium stiff			
DT	0-4'	48	24"	1					
				2					
				3					
				4					
DT	4-8'	39	26"	5		CLAY, silty, brown, moist, stiff, plastic			
				6					
				7					
				8					
DT	8-12'	72	39"	9		SILT, clayey, brown, moist, medium stiff, medium plastic			
				10					
				11					
				12					
DT	12-16'	201	37"	13		Petro odor and staining			
				14					
				15					
				16					
DT	16-20'	621	45"	17		SILT, clayey, stained gray, saturated, soft, trace plasticity			
				18					
				19					
				20					

LEGEND:

SS - Split Spoon
 CS - 5 foot CME Sampler
 ST - Shelby Tube
 PID - Photoionization Detector
 PP - Pocket Penetrometer
 HSA - Hollow Stem Augers
 DT - Dual Tube Sampler
 HA - Hand Auger
 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.

7311 West 130th Street, Suite 100, Overland Park, KS, 66213
 GEOLOGIST: Adam Parris

CLIENT: Farmers Coop
 DATE: 1/21/2015

PROJECT NAME: Former Protection Coop Supply
 PROJECT NUMBER: U1-017-00242

SAMPLER TYPE	SAMPLE DEPTH	PID (PPM)	RECOVERY	DEPTH (FEET)	USCS CLASS	C I	SOIL DESCRIPTION AND DRILLING CONDITIONS	NOTES AND WELL CONSTRUCTION
DT	20-24'	864	48"	21			SILT, stained black, saturated, trace CLAY	High petro odor and staining
				22				
				23				
				24				
				25			SAND, silty, fine grain, stained black, saturated	
				26			Boring Terminated at 26'	
				27				
				28				
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