

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

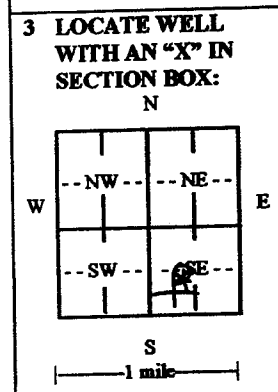
**1 LOCATION OF WATER WELL:** Fraction SE 1/4 SW 1/4 NE 1/4 NW 1/4  
 County: Comanche  
 Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here   
 401 N. Broadway Avenue, Protection, KS 67127

Section Number 3 Township No. T 33 S Range Number R 20  E  W

**Global Positioning System (GPS) information:**  
 Latitude: 37.2035 (in decimal degrees)  
 Longitude: 99.4843 (in decimal degrees)  
 Elevation: .....  
 Datum:  WGS 84,  NAD 83,  NAD 27

**2 WATER WELL OWNER:** Farmers Coop  
 RR#, Street Address, Box #: 401 N. Broadway Avenue  
 City, State, ZIP Code : Protection, KS 67127

**Collection Method:**  
 GPS unit (Make/Model: Google Earth .....)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
 Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m



**4 DEPTH OF COMPLETED WELL 26.0'**..... ft.  
 Depth(s) Groundwater Encountered (1)..... ft (2)..... ft (3)..... ft.  
 WELL'S STATIC WATER LEVEL 17.65'..... ft. below land surface measured on mo/day/yr. 2/17/15.....  
 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:  Public water supply  Geothermal  Injection well  
 Domestic  Feedlot  Oil field water supply  Dewatering  Other (Specify below)  
 Irrigation  Industrial  Domestic-lawn & garden  Monitoring well  
 Was a chemical/bacteriological sample submitted to Department?  Yes  No  
 If yes, mo/day/yr sample was submitted.....  
 Water well disinfected?  Yes  No

**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.  
 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.  
 GRAVEL PACK INTERVALS: From 9.0'..... ft. to 26.0'..... 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) 01/21/2015..... 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>.

<b>SCS%20Aquaterra%20small%20sho...</b>							LOG OF BORING NO.: <b>MW-14</b>			SHEET NUMBER 1 of 2		
7311 West 130th Street, Suite 100, Overland Park, KS, 66213							DRILLING CONTRACTOR: <b>PSA Environmental</b>			WELL CONSTRUCTION DETAILS		
CLIENT: <b>Farmers Coop</b>							DRILLER: <b>Aaron Butler</b>					
PROJECT NAME: <b>Former Protection Coop Supply</b>							DRILLING RIG: <b>Geoprobe 6620 DT</b>			MATERIAL: <b>PVC</b>		
PROJECT NUMBER: <b>U1-017-00242</b>							DRILLING METHOD: <b>Direct Push</b>			DIAMETER: <b>2</b> IN		
PROJECT LOCATION: <b>401 North Broadway, Protection, Kansas</b>							SAMPLING METHOD: <b>4" Continuous Dual Tube</b>			WELL TOTAL DEPTH: <b>26</b> FT BGS		
							BORING DIAMETER: <b>8"</b>			SCREEN LENGTH: <b>15</b> FT		
BORING LOCATION: <b>East of second building to the south of the source area</b>							WELL DIAMETER: <b>2"</b>			RISER LENGTH: <b>11</b> FT		
							WELL COMPLETION: <b>Flush Mount</b>			TOP OF SCREEN: <b>11</b> FT BGS		
PROJECT NUMBER: <b>27214275.00</b>							SURFACE ELEVATION:			BOTTOM OF SCREEN: <b>26</b> FT BGS		
GEOLOGIST: <b>Adam Parris</b>							TOC ELEVATION:			SCREEN SLOT: <b>0.01</b> IN		
START DATE: <b>1/21/2015</b> FINISH DATE: <b>1/21/2015</b>							WATER LEVEL:			TOP OF FILTER PACK: <b>9</b> FT BGS		
START TIME: <b>12:30</b> FINISH TIME: <b>14:30</b>							WATER ELEVATION: <b>0.00</b>			TOP OF SEAL: <b>2</b> FT BGS		
							DATE:			TYPE OF SEAL: <b>3/8" Bentonite Chips</b>		
							SOIL DESCRIPTION AND DRILLING CONDITIONS			TYPE OF FILTER PACK: <b>10/20 Silica Sand</b>		
SAMPLER TYPE	SAMPLE DEPTH	PID (PPM)	RECOVERY	DEPTH (FEET)	USCS CLASS	C I	<b>GRASS, TOPSOIL, SAND, SILT</b> <b>SILT, clayey, light brown, slightly moist, medium stiff</b>  <b>CLAY, silty, brown, slightly moist, stiff, plastic</b>  <b>SILT, clayey, brown, moist, medium stiff to soft, medium plastic</b>  <b>SILT, clayey, brown, saturated, very soft, trace plasticity</b>			<b>NOTES AND WELL CONSTRUCTION</b>		
DT	0-4'	2	34"	1								
				2								
				3								
				4								
DT	4-8'	2	34"	5								
				6								
				7								
				8								
DT	8-12'	2	36"	9								
				10								
				11								
				12								
				13								
DT	12-16'	3	34"	14								
				15								
				16								
				17								
DT	16-20'	2	43"	18								
				19								
				20								

**LEGEND:**      PID - Photoionization Detector      HA - Hand Auger      THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY LINES BETWEEN SOIL AND ROCK TYPES: ACTUAL TRANSITIONS MAY BE GRADUAL.

SS - Split Spoon      PP - Pocket Penetrometer      WB - Wash Bore

CS - 5 foot CME Sampler      HSA - Hollow Stem Augers      RB - Rock Bit

ST - Shelby Tube      DT - Dual Tube Sampler      NX - Rock Core

SCS%20Aquaterra%20small%20sho...							LOG OF BORING NO.: <b>NW-14</b>			SHEET NUMBER 2 of 2		
7311 West 130th Street, Suite 100, Overland Park, KS, 66213							GEOLOGIST: Adam Paris			DATE: 1/21/2015		
CLIENT: Farmers Coop							PROJECT NUMBER: U1-017-00242			PROJECT NAME: Former Protection Coop Supply		
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'	6	48"	21			SILT, clayey, brown, saturated, very soft, trace plasticity					
				22			SAND, silty, fine grain, light brown to brown, saturated					
				23								
				24								
				25			SAND, fine to medium grain, light brown, saturated					
				26			<i>Boring Terminated at 26'</i>					
				27								
				28								
				29								
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				31								
				32								
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