

## WATER WELL RECORD

## Form WWC-5

Division of Water Resources; App. No.

MW-25

<b>1 LOCATION OF WATER WELL:</b> County: <u>Sedgwick</u> Distance and direction from nearest town or city street address of well if located within city? <u>2100 E. 37th St. N Wichita, KS</u>		Fraction <u>SW 1/4 SE 1/4 SW 1/4</u>		Section Number <u>27</u>		Township Number <u>T 26 S</u>		Range Number <u>R 1 E</u>																																																	
<b>2 WATER WELL OWNER:</b> <u>Coleman Company</u> RR#, St. Address, Box # : <u>3600 N. Hydraulic St.</u> City, State, ZIP Code : <u>Wichita, KS 67219</u>					<b>Global Positioning Systems</b> (decimal degrees, min. of 4 digits) Latitude: <u>37 45 099</u> Longitude: <u>97 18 686</u> Elevation: _____ Datum: _____ Data Collection Method: _____																																																				
<b>3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:</b> N <table border="1" style="width:100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">NW</td> <td style="width: 25%;">NE</td> <td style="width: 25%;">E</td> </tr> <tr> <td>SW</td> <td>SE</td> <td></td> </tr> </table> S		NW	NE	E	SW	SE		<b>4 DEPTH OF COMPLETED WELL</b> ..... <u>26.0</u> ..... ft.  Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL..... <u>7.11</u> ..... ft. below land surface measured on mo/day/yr..... Pump test data: Well water was.....ft. after..... hours pumping..... gpm Est. Yield.....gpm: Well water was.....ft. after..... hours pumping..... gpm WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) <u>10</u> Monitoring well .....  Was a chemical/bacteriological sample submitted to Department? Yes ..... No <u>X</u> ..... If yes, mo/day/yr Sample was submitted..... Water well disinfected? Yes ..... No <u>X</u> .....																																																	
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SW	SE																																																								
<b>5 TYPE OF CASING USED:</b> 1 Steel 3 RMP (SR) 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued..... Clamped..... <u>2 PVC</u> 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded..... 7 Fiberglass Threaded..... <u>X</u> Blank casing diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft. Casing height above land surface..... in., Weight ..... lbs./ft. Wall thickness or gauge No. <u>Sch. 40</u> <b>TYPE OF SCREEN OR PERFORATION MATERIAL:</b> 1 Steel 3 Stainless Steel 5 Fiberglass <u>7 PVC</u> 9 ABS 11 Other (Specify) ..... 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole) <b>SCREEN OR PERFORATION OPENINGS ARE:</b> 1 Continuous slot 3 <u>Mill slot</u> 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) ..... <b>SCREEN-PERFORATED INTERVALS:</b> From..... <u>11</u> ..... ft. to ..... <u>26</u> ..... ft., From ..... ft. to ..... ft. From..... ft. to ..... ft., From ..... ft. to ..... ft. <b>GRAVEL PACK INTERVALS:</b> From..... <u>8</u> ..... ft. to ..... <u>26</u> ..... ft., From ..... ft. to ..... ft. From..... ft. to ..... ft., From ..... ft. to ..... ft.																																																									
<b>6 GROUT MATERIAL:</b> 1 Neat cement <u>2</u> Cement grout <u>3</u> Bentonite 4 Other..... Grout Intervals: From ..... <u>1</u> ..... ft. to ..... <u>5</u> ..... ft., From ..... <u>5</u> ..... ft. to ..... <u>8</u> ..... ft., From ..... ft. to ..... ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide Storage 16 Other (specify below) 2 Sewer lines 5 Cess pool 8 Sewage lagoon <u>11</u> Fuel storage 14 Abandoned water well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well Direction from well? ..... How many feet? <u>3500</u>																																																									
<b>7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> This water well was <u>1</u> constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>6-19-08</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>606</u> This Water Well Record was completed on (mo/day/year) <u>7-28-08</u> under the business name of <u>PSA Environmental</u> by (signature) <u>[Signature]</u>					<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:40%;">LITHOLOGIC LOG</th> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:20%;">PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td rowspan="10" style="text-align: center; vertical-align: middle; font-size: 2em;">See Boring Log</td> <td></td> <td></td> <td></td> </tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table>					FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS			See Boring Log																																							
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## SOIL BORING AND WELL LOG

Boring/Well ID: MW-25

Total Depth: 26 ft bgs













### PROJECT INFORMATION

**Project:** Unocal/Wichita  
**Site Location:** Wichita, KS  
**Site Name:** Coleman  
**Geologist:** Kim Nguyen  
**Project Manager:** Derek Peacock  
**Ground Water Depth (ft bgs):** 8 ft bgs  
**Top of Casing Elevation (ft msl):**  
**Ground Surface Elevation (ft msl):**

### DRILLING INFORMATION

**Drilling Company:** PSA  
**Driller:** Aaron Sense  
**Equipment:** Geoprobe 6620 DT  
**Drilling Method:** Hollow Stem Augers  
**Sampling Method:** Auger Cuttings  
**Dates Drilled:** 6/19/08  
**Screened Interval:** 10.5-25.5 ft bgs  
**Coordinates:** N E

**PG Signature:**

Elevation (ft bto c)	Depth (ft)	Recovery	PID (ppm)	Sample ID	USCS	Symbol	Lithologic Description	Well Completion	Well Description/ Comments
0	0				CL		SANDY CLAY: yellowish brown (10YR 5/4), soft to medium stiff, medium to high plasticity, moist		Flush Mount-2X2' Concrete Pad with locking cap
	0				CL		SILTY CLAY: with trace fine gravel, very dark grayish brown (10YR 3/2), medium stiff, high plasticity, moist to damp		2-in. diameter schedule 40 PVC casing
	0						few fine to medium sand, grades dark grayish brown (10YR 4/2), damp to moist		Grout
-5					SC		CLAYEY SAND: yellowish brown (10YR 5/4), fine to coarse sand, loose to medium dense, wet		Bentonite Chips
	0				CL		SILTY CLAY: with trace sand, pale olive (5Y 6/3), medium stiff, high plasticity, moist to wet		Filter Pack: 20/40 Silica Sand
-10							grades light olive brown, high plasticity, manganese inclusions, moist to very moist		
	0						increasing silt with few medium sand, light olive brown (2.5Y 5/4), manganese inclusions, moist		
	0				ML		SANDY SILT: yellowish red (5YR 4/6), soft, friable, damp to dry		Screen: (15') 2 in. PVC, 0.010-in. slot, (11.5-26.5')
-15					ML		CLAYEY SILT: light olive brown (2.5Y 5/4) and yellowish red (5YR 4/6), blocky, friable but stiff, non plastic to low plasticity, moist		

Elevation (ft btoc)	Depth (ft)	Recovery	PID (ppm)	Sample ID	USCS	Symbol	Lithologic Description	Well Completion	Well Description/ Comments
-20	-20		0				grades to olive gray (5Y 5/2)		
			0				grades reddish brown (2.5YR 4/3), <2mm thick lamination of silt, grades with increasing silt with depth, trace coarse sand, back to olive gray (5Y 5/2)		
			0				damp		
			0				blocky, moist		
			0				grades with trace fine gravel, moist		
			0				at 24' pockets reddish brown (2.5YR 4/3), at 24.5' becomes moist to very moist, grades with increase in clay, trace fine gravel		
-25			0				SHALE: dark bluish gray (10B 4/1), friable, weathered, dry, iron staining, some mica crystals along laminations, trace gypsum crystals		
									PVC End Cap