

1 LOCATION OF WATER WELL: County: <b>Sedgwick</b>	Fraction <b>SW 1/4 SW 1/4 SW 1/4</b>	Section Number <b>12</b>	Township Number <b>T 28 S</b>	Range Number <b>R 1 E E/W</b>
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Distance and direction from nearest town or city street address of well if located within city?  
**From West end of South Minuteman Dr. approximately 500' North -McConnell AFB Bldg**

2 WATER WELL OWNER: <b>Kansas Air National Guard</b>	65
RR#, St. Address, Box # : <b>Deputy Base Civil Engineer</b>	Board of Agriculture, Division of Water Resources
City, State, ZIP Code : <b>53260 Jayhawk Dr. McConnell AFB, KS 67221</b>	Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL <b>29.5</b> ft. ELEVATION:
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Depth(s) Groundwater Encountered 1 ..... ft. 2 ..... ft. 3 ..... ft.

WELL'S STATIC WATER LEVEL **9.99** 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
2 Irrigation	4 Industrial	7 Domestic (lawn & garden)
		9 Dewatering
		10 Monitoring well
		12 Other (Specify below)

**Geothermal**

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 BLANK CASING USED:	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued ..... Clamped .....
1 Steel	3 RMP (SR)	6 Asbestos-Cement	Welded .....
2 PVC	4 ABS	7 Fiberglass	Threaded .....
		<input checked="" type="checkbox"/> Other (specify below)	
		<b>1 Geoloop</b>	

Blank casing diameter ..... in. to ..... ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.

Casing height above land surface ..... in., weight ..... lbs./ft. Wall thickness or guage No. ....

TYPE OF SCREEN OR PERFORATION MATERIAL:	7 PVC	10 Asbestos-Cement
1 Steel	8 RMP (SR)	11 Other (Specify) .....
2 Brass	9 ABS	12 None used (open hole)
3 Stainless Steel		
4 Galvanized Steel		
5 Fiberglass		
6 Concrete tile		

SCREEN OR PERFORATION OPENINGS ARE:	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
1 Continuous slot	6 Wire wrapped	9 Drilled holes	
2 Louvered shutter	7 Torch cut	10 Other (specify) .....	
3 Mill slot			
4 Key punched			

SCREEN-PERFORATED INTERVALS: From ..... ft. to ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From ..... ft. to ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL:	1 Neat cement	2 Cement grout	<input checked="" type="checkbox"/> Bentonite	<input checked="" type="checkbox"/> Other <b>Bentonite/Sand mix</b>
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Grout Intervals: From **29.5** ..... ft. to **0** ..... ft., From ..... ft. to ..... 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	14 Abandoned water well
<input checked="" type="checkbox"/> Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage	16 Other (specify below)
			13 Insecticide storage	

Direction from well? **At Building 80-SSE** How many feet? **500**

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	5	Topsoil	315	0	200 lbs. 30/70 Sand/grout mix
5	10	Tan Clay			50 lbs. Geothermal Grout
10	55	Green Clay			25 gal. water
55	70	Gray and green clay w/ white			
70	90	Gray and white clay			
90	120	50/50 Gray and white clay			
120	130	Gray clay			
150	155	60/40 Gray and white clay			
155	175	Gray Clay			
175	220	Gray and white clay			
220	305	Gray, green, red and white clay			
305	310	90% gray 10% grn red white			
310-	315	Gray shale			

**RECEIVED**  
**NOV 16 2004**  
**BUREAU OF WATER**

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was  constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) **10/21/04** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. **665**. This Water Well Record was completed on (mo/day/yr) **11/9/04** under the business name of **Pratt Well Environmental** by (signature) *[Signature]*



# Drilling Log #2

(Continuation)

Company Name <b>McConnell Air Force Base</b>		Project Number		Date <b>10/19/04</b>	
County <b>Sedgwick</b>		Location <b>Building 65</b>		Page <b>1</b>	
T.S. Number		Range Fraction		Total Footage <b>315'</b>	
		R E/W 1/4 1/4 1/4			
Drilling Type <b>Mud Rotary</b>	Hole Size <b>5-5/8"</b>	Type of Well <b>Geothermal</b>	Casing Size	Screen Size	Static Water Level
Drilling Company <b>Pratt Well Environmental Divison</b>			Driller(s) <b>McCaskey/Brant</b>		
Rig # <b>E4</b>			Type of Samples <b>Screen Samples</b>		
Gravel Pack Size			Customer Contact <b>Galen Streich</b>		

Depth (feet)	Description	Run/Time	Remarks/Water Levels
5	Topsoil		
10	Tan Clay		
15	Green Clay		
20			
25			
30			
35	Gray and Green Clay		
40			
45			
50			
55			
60	Gray and Green Clay with a show of white		



# Drilling Log #2

(Continuation)

Company Name McConnell Air Force Base		Project Number			Date 10/19/04	
County Sedgwick		Location Building 65			Page 2	
T.S. Number		Range Fraction R E/W 1/4 1/4 1/4			Total Footage 315'	
Drilling Type	Hole Size	Type of Well	Casing Size	Screen Size	Static Water Level	
Mud Rotary	5-5/8"	Geothermal				
Drilling Company Pratt Well Environmental Divison			Driller(s) McCaskey/Brant			
Rig # E4			Type of Samples Screen Samples			
Gravel Pack Size			Customer Contact Customer Phone# Galen Streich			

Depth (feet)	Description	Run/Time	Remarks/ Water Levels
65	Gray clay and white		
70	Gray and Green clay		
75	Gray Clay		
80	Gray and white clay		
85	Mostly gray clay		
90	Gray and white clay		
95			
100	50/50 Gray and white		
105	60/40 Gray and White		
110	70/30 Gray and white		
120	90% Gray		
125	95% Gray		



# Drilling Log #2

(Continuation)

Company Name <b>McConnell Air Force Base</b>		Project Number		Date <b>10/19/04</b>	
County <b>Sedgwick</b>		Location <b>Building 65</b>		Page <b>3</b>	
T.S. Number		Range Fraction R E/W 1/4 1/4 1/4		Total Footage <b>315'</b>	
Drilling Type	Hole Size	Type of Well	Casing Size	Screen Size	Static Water Level
<b>Mud Rotary</b>	<b>5-5/8"</b>	<b>Geothermal</b>			
Drilling Company <b>Pratt Well Environmental Divison</b>			Driller(s) <b>McCaskey/Brant</b>		
Rig # <b>E4</b>			Type of Samples <b>Screen Samples</b>		
Gravel Pack Size			Customer Contact <b>Galen Streich</b>		

Depth (feet)	Description	Run/Time	Remarks/ Water Levels
130	50/50 Gray and white clay		
135	60/40 Gray and white clay		
140	50/50 Gray and white clay		
145			
150			
155	80% Gray clay		
160	Gray clay		
165			
170			
175	70/30 Gray and white clay		
180			
185			



# Drilling Log #2

(Continuation)

Company Name <b>McConnell Air Force Base</b>		Project Number		Date <b>10/19/03</b>	
County <b>Sedgwick</b>		Location <b>Building 65</b>		Page <b>4</b>	
T.S. Number		Range Fraction		Total Footage <b>315'</b>	
		R E/W 1/4 1/4 1/4			
Drilling Type	Hole Size	Type of Well	Casing Size	Screen Size	Static Water Level
<b>Mud Rotary</b>	<b>5-5/8"</b>	<b>Geothermal</b>			
Drilling Company <b>Pratt Well Environmental Divison</b>			Driller(s) <b>McCaskey/Brant</b>		
Rig # <b>E4</b>			Type of Samples <b>Screen Samples</b>		
Gravel Pack Size			Customer Contact <b>Galen Streich</b>		

Depth (feet)	Description	Run/Time	Remarks/Water Levels
190	80/20 Gray and white		
195	50/50 Gray and white clay		
200			
205			
210	60/40 White and gray clay		
215			
220	Gray, Green, Red and White		
225			
230			
235			
240			
245			
250			



# Drilling Log #2

(Continuation)

Company Name <b>McConnell Air Force Base</b>		Project Number		Date <b>10/19/04</b>	
County <b>Sedgwick</b>		Location <b>Building 65</b>		Page <b>5</b>	
T.S. Number		Range Fraction		Total Footage <b>315'</b>	
		R E/W 1/4 1/4 1/4			
Drilling Type <b>Mud Rotary</b>	Hole Size <b>5-5/8"</b>	Type of Well <b>Geothermal</b>	Casing Size	Screen Size	Static Water Level
Drilling Company <b>Pratt Well Environmental</b>			Driller(s) <b>McCaskey/Brant</b>		
Rig # <b>E4</b>			Type of Samples <b>Screen Samples</b>		
Gravel Pack Size			Customer Contact Customer Phone# <b>Galen Streich</b>		

Depth (feet)	Description	Run/Time	Remarks/Water Levels
255	Gray, green, red, and white clay		
260			
265	70% Gray 30% Red, Green, and White		
270			
275			
280			
285			
290			
295		<b>295'</b>	<b>Bottom of HEAT LOOP</b>
300			
305			
310	90% Gray 10% Red, Green, and White		
315	Gray shale		