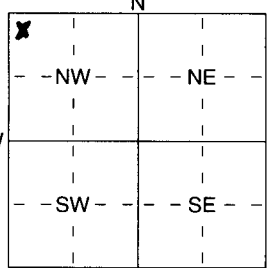


1 LOCATION OF WATER WELL: County: <u>Sedgwick</u>	Fraction: <u>NW 1/4 NW 1/4 NW 1/4</u>	Section Number <u>7</u>	Township Number T <u>28</u> S	Range Number R <u>2E</u> E/W
--	--	----------------------------	----------------------------------	---------------------------------

Distance and direction from nearest town or city street address of well if located within city?
Approx. 200' ENE of intersection Sabre Dr. and Falcon Dr. BLDG 10

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

3 LOCATE WELL'S LOCATION WITHIN SECTION BOX:
 AN "X" IN SECTION BOX:

 4 DEPTH OF COMPLETED WELL: 284 ft. ELEVATION:
 Depth(s) Groundwater Encountered: 1 1 ft. 2 ft. 3 ft.
 WELL'S STATIC WATER LEVEL: 999 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:
 1 Domestic 3 Feedlot 6 Oil field water supply 8 Air conditioning 11 Injection well
 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well Geothermal

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
 2 PVC 4 ABS 6 Asbestos-Cement Other (specify below) Welded
 7 Fiberglass Poly Geolooop Threaded

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 gauge No.

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

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

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

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite Other Grout/sand mixture
 Grout Intervals: From 200 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
 2 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)
Road way
 Direction from well? West How many feet? 200

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	5	Silty Clay brown and stiff	315	0	200 lbs. 30/70 sand/grout mix
5	40	Light tan silty clay mix			50 lbs. Geothermal Grout
40	50	Lgt. tan silty clay w/ weathered red shale			25 gal. water
50	80	Olive green silty clay mix			
80	125	Dark gray shale			
125	160	White caliche with gray clay w/ dark brn. silt			
160	185	Lght. gry. shale fragments			
185	240	Dark gry. soft. clay w/ gypsum streaks			
240	285	Red and gray shale mix			
285	305	Lght. gry. shale mixed w/ hard grn. shale			

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BUREAU OF WATER

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 10/15/04 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) 1/8/04 under the business name of Pratt Well Environmental by (signature) [Signature]



Drilling Log #2

(Continuation)

Company Name McConnell Air Force Base		Project Number		Date 10/11/04	
County Sedgwick		Location East side of Building 10		Page 1	
T.S. Number		Range Fraction		Total Footage 305'	
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 # E-4			Type of Samples Screen Samples		
Gravel Pack Size			Customer Contact Customer Phone# Galen Streich		

Depth (feet)	Description	Run/Time	Remarks/ Water Levels
2'	Road Bed Material		
5	Silty Clay Brown and Stiff		
10	Light Tan Silty Clay Soft mixed with large Sand		
15			
20	Light Brown Clay Plastic Stiff		
25			
30	Light Brown Silty Clay mixed with Tan Silty Clay		
32	Medium Sand Rounded Tan Color		
35	Light Tan Silty Clay Mix		
40	Light Tan Silty Clay mixed with Large Gravel and weathered Red Shale		
45			
50	Olive Green firm plastic Clay mixed with Large Gravel with light Red shale Plastic to Brittle		
55	Olive Green silty clay mixed with Red Silty Clay		
60	Light Olive Green Silty Clay Mixed with Rust Streaks		
	Light Olive green Silty Clay with mix of dark gray weathered clay		



Drilling Log #2

(Continuation)

Company Name McCConnell Air Force Base		Project Number		Date 10/11/04	
County Sedgwick		Location East Side of Building 10		Page 2	
T.S. Number		Range Fraction R E/W 1/4 1/4		Total Footage 305'	
Drilling Type Mud Rotary	Hole Size 5-5/8"	Type of Well Geothermal	Casing Size	Screen Size	Static Water Level
Drilling Company Pratt Well Environmental Divison			Driller(s) McCaskey/Brant		
Rig # E-4			Type of Samples Screen Samples		
Gravel Pack Size			Customer Contact Customer Phone# Galen Streich		

Depth (feet)	Description	Run/Time	Remarks/ Water Levels
65	Soft Plastic Dark Gray Clay mixed with Olive Green Dark Weathered Shale		
70	Firmer in Depth		
75			
80	Dark Gray Shale		
85			
87	Light Tan Clay mixed with Large Gravel and Dark Gray Shale (small lost circulation zone 250 gallons)		
90			
95	Large gravel mixed with dark gray clay firm plastic mixed with Olice green clay with Rust Streaks		
100	Dark gray firm shale breakable with gypsum seams		
105			
110			
115	Dark gray shale with firm breakable red shale with white sand like material or caliche		
120	Whiter in depth and firmer slower drilling		



Drilling Log #2

(Continuation)

Company Name McConnell Air Force Base		Project Number		Date 10/11/04	
County Sedgwick		Location East Side of Building 10		Page 3	
T.S. Number		Range Fraction R E/W 1/4 1/4 1/4		Total Footage 305'	
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 # E-4			Type of Samples Screen Samples		
Gravel Pack Size			Customer Contact Customer Phone# Galen Streich		

Depth (feet)	Description	Run/Time	Remarks/ Water Levels
125	White Caliche with gray clay soft mixed with dark brown firm silt		
130	Dark gray clay mixed with caliche and red shale		
135	Dark gray clay mixed with firm breakable shale with power consistence when broken		
140	Dark gray clay soft plastic Light gray clay finer silty clay mixed with caliche		
145	Slow drilling		
150			
155			
160	Light gray shale fragments small to large hard		
165			
170			
175	Light gray shale hard and brittle with some olive shale streaks		
180	Softer in depth slow drilling		



Drilling Log #2

(Continuation)

Company Name McConnell Air Force Base		Project Number		Date 10/11/04	
County Sedgwick		Location East Side of Building 10		Page 4	
T.S. Number		Range Fraction		Total Footage 305'	
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 # E-4			Type of Samples Screen Samples		
Gravel Pack Size			Customer Contact Customer Phone# Galen Streich		

Depth (feet)	Description	Run/Time	Remarks/Water Levels
185	Dark gray soft clay with firm shale fragments		
190	Light gray shale with gypsum streaks		
195	Dark gray shale firm fragments		
200			
205			
210			
215			
220			
225	Dark gray shale to a mix of concrete color clay silty soft medium drilling		
230			
235			
240	Red shale mixed with gray shale		



Drilling Log #2

(Continuation)

Company Name McConnell Air Force Base		Project Number		Date 10/11/04	
County Sedgwick		Location East side of building 10		Page 5	
T.S. Number		Range Fraction		Total Footage 305'	
		R	E/W	1/4	1/4
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 # E-4			Type of Samples Screen Samples		
Gravel Pack Size			Customer Contact Galen Streich		

Depth (feet)	Description	Run/Time	Remarks/ Water Levels
245	Red and gray shale mix		
250	Gray shale with caliche streaks		
255	Gray and Red shale mix very hard slow drilling		
260			
265			
270			
275			
280			
285	Light gray shale mixed with a hard green shale		
290		290'	Bottom of Heat Loop
295			
300			
305			