

CORRECTION(S) TO WATER WELL RECORD (WWC-5)

(to rectify lacking or incorrect information)

Location listed as:

Section-Township-Range: None Given

Fraction ($\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$): _____

County: Wyandotte

Location changed to:

21-115-25E

NW NW NW

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Well owner's address, city street map, and

Shawnee 1:24,000 topo. map.

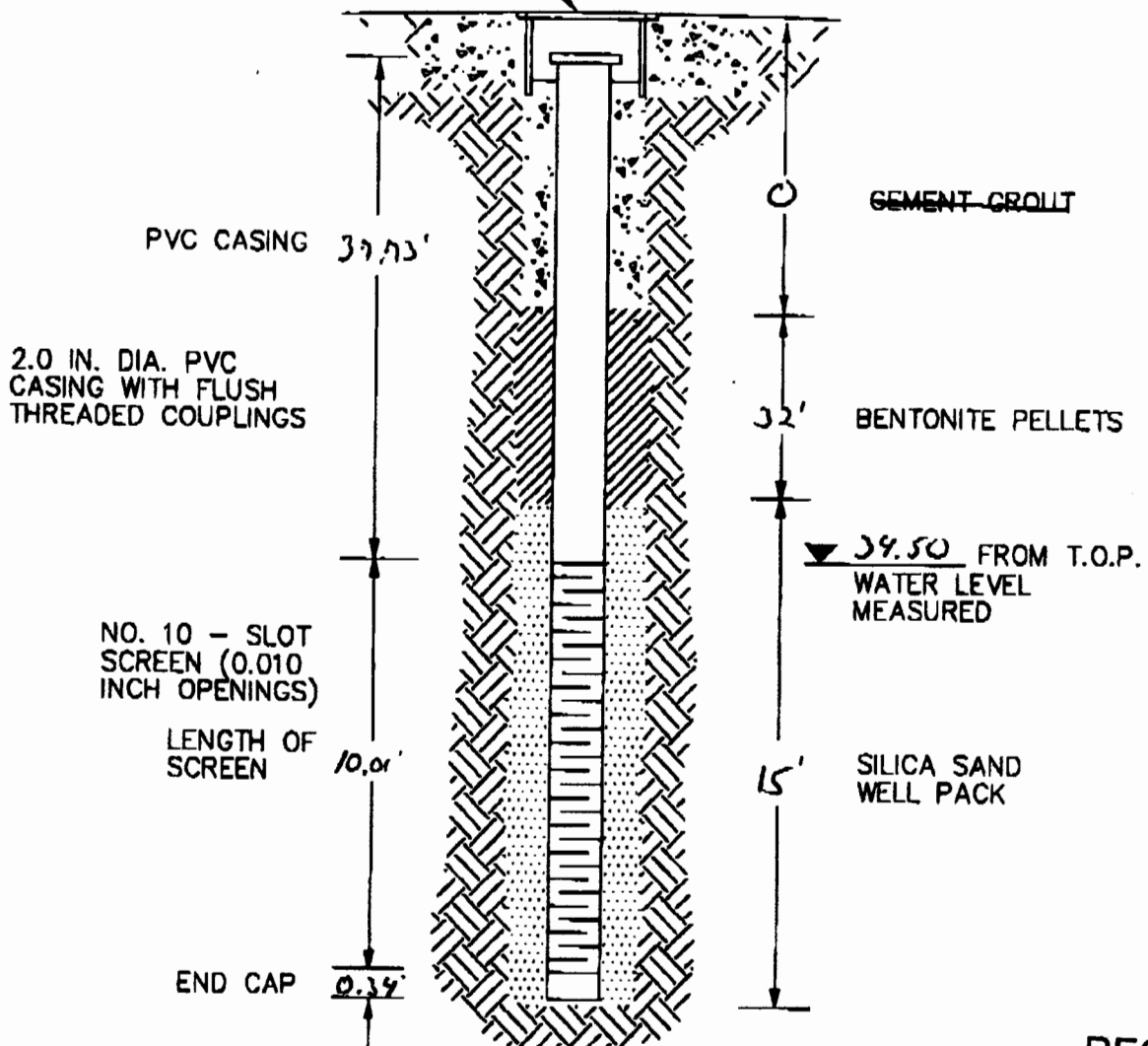
initials: ORL date: 7/1/2005

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726

to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

1 LOCATION OF WATER WELL:		Fraction	Section Number	Township Number	Range Number
County:		1/4 1/4 1/4		T S	R E/W
Distance and direction from nearest town or city street address of well if located within city?					
2 WATER WELL OWNER: The PQ Corporation RR#, St. Address, Box # : 1700 Kansas Ave. City, State, ZIP Code : Kansas City, KS Board of Agriculture, Division of Water Resources Application Number:					
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL 48 ft. ELEVATION:			
<div style="text-align:center">N -NW--NE-- -SW--SE-- S W E</div>		Depth(s) Groundwater Encountered 1 ft. 2 ft. 3 ft.			
		WELL'S STATIC WATER LEVEL 34.5 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 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well			
		Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No			
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 9 Other (specify below) Welded Blank casing diameter 2 in. to 38 ft., Dia in. to ft., Dia in. to ft. Casing height above land surface 0 in., weight lbs./ft. Wall thickness or gauge No. Sch 40 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) 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 SCREEN-PERFORATED INTERVALS: From 38 ft. to 48 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 33 ft. to 48 ft., From ft. to ft.					
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout Intervals: From 0 ft. to 2 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) Direction from well? How many feet?					
FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
See attached					
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) 5-17-95 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 759 This Water Well Record was completed on (mo/day/yr) 6-6-95 under the business name of RAZEK Environmental, LLC by signature Anthony J. Paulsen					

STEEL PROTECTIVE COVER

SURFACE
ELEVATION 755.2
TOP OF PIPE (T.O.P.)
ELEVATION 755.4

DATE INSTALLED

5/17/05

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BUREAU OF WATER

BOTTOM OF
WELL
BELOW GRADE
48.08

NOT TO SCALE

Burns &
McDonnell

CONSTRUCTION DIAGRAM

MW-9

Drilling Log

Project Name PA		Project Number 3527 3527		Boring Number ML-9						
Ground Elevation 755.7		Location KLK		Page 1						
Air Monitoring Equipment LEL/O₂				Total Footage 50						
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. of Core Boxes					
HSA	8"	50'	NA	0	NA					
Drilling Company Razak			Driller(s) Tony Razak, Vincent Ryan							
Drilling Rig Geo Probe 6620 DT			Type of Sampler NA							
Date 5/17/05		To 5/17/05		Field Observer(s) NATHAN KILGORE						
Depth (feet)	Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
1	Gravel fill, brick, silty clay, black (7.5YR2.5) trace plasticity. Soft consistency, moist	NA	NA	NA						
2										
3	Silt-sand clay, black (7.5YR2.5) med plasticity. Soft consistency, moist									
4										
5	brown (7.5YR5/2)									
6										
7										
8										
9										
10										
11										
12	Sand, fine clay, dark brown (4.5YR2.5) subrounded, well sorted, med grain wet									
13	Seam									
14	dry moist									

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BUREAU OF WATER

Drilling Log Continuation

Project Name <u>PQ</u>							Boring Number			
Project Number <u>39278</u>							Page <u>2</u>			
Date <u>5/12/05</u>										
Depth (feet)	Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
15	Sand somewhat dark brown (1.5% R/S) Subsided, well sorted, med. grain (S) Wet seam									
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

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Drilling Log Continuation

Project Name PQ						Boring Number				
Project Number 31527 39278						Page 3				
						Date 5/17/05				
Depth (feet)	Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BM	S	
33	Sand, brown (7.54x 1/2) subrounded well sorted, med. sh. med. to st									
34										
35										
36										
37										
38										
39										
40										
41										
42										
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BUREAU OF WATER

Set well @
48'