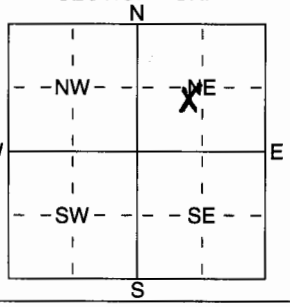
WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. IM-2325

1 LOCATION OF WATER WELL: County: PHILLIPS | Fraction: NE ¼ SW ¼ NE ¼ | Section Number: 27 | Township Number: T 3 (S) | Range Number: R 18 (E/W)

Distance and direction from nearest town or city street address of well if located within city?
NORTH HIGHWAY 183, PHILLIPSBURG, KS

2 WATER WELL OWNER: COFFEYVILLE RESOURCES TERMINAL
RR#, St. Address, Box # : P.O. BOX 608
City, State, ZIP Code : PHILLIPSBURG, KS 67661
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 54 ft. ELEVATION:
Depth(s) Groundwater Encountered 1 ..... ft. 2 ..... ft. 3 ..... ft.
WELL'S STATIC WATER LEVEL ..... 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 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Domestic (lawn & garden) 8 Air conditioning 9 Dewatering 10 Monitoring well 11 Injection well 12 Other (Specify below)

Was a chemical/bacteriological sample submitted to Department? Yes ..... No .....; If yes, mo/day/yrs sample was submitted
Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED: 1 Steel (2) PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below) .....
CASING JOINTS: Glued ..... Clamped ..... Welded ..... Threaded X

Blank casing diameter 39 in. to ..... ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.
Casing height above land surface 24 in., weight SCH 40 lbs./ft. Wall thickness or guage No. .....

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

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

SCREEN-PERFORATED INTERVALS: From 54 ft. to 39 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From (2) 54 ft. to 37 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout (3) Bentonite 4 Other .....
Grout Intervals: From 37 ft. to 1.0 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

What is the nearest source of possible contamination:
1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) .....
Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	0.5	ORGANIC CLAY - TOPSOIL			
0.5	32	SILT, CLAYEY, YELLOW BROWN, MED. PLASTICITY			
32	40	CLAY AND SILT, YELLOW BROWN, SAND SEAMS, MED. PLASTICITY			
40	41.5	SAND, CLAYEY, WELL SORTED			
41.5	54	CLAY, SILTY & SANDY, BROWN, HIGH PLASTICITY			

RECEIVED
SEP 30 2004
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) 7-23-04 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 529 This Water Well Record was completed on (mo/day/yr) 9/29/04 under the business name of GEOTECHNOLOGY, INC. by (signature)

INSTRUCTIONS: Use typewriter or ball point pen. *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies 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 to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.

Boring Log: IM-25

Project: Coffeyville - CRT
Project No.: 131018
Location: Phillipsburg
Completion Date: 7/23/04

Surface Elevation (feet AMSL*): 1947.60
TOC Elevation (feet AMSL*): 1950.23
Total Depth (feet): 54
Borehole Diameter (inches): 8.25

ENVIRONMENTAL STRATEGIES

Sample Data					Subsurface Profile		
Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	Well Construction
0						Ground Surface	
						Organic Clay (OL)	
						Silt (ML) dry, low plasticity, stiff, some carbonate nodules	
2		0/0		96			
4						***Clayey Silt (ML)*** medium dense, 10YR6/4, low plasticity, dry, crumbles when crushed	grout
6		0/0		100			
8							
10		0/0		96			
12							
14		0/0		93			
16						***Sandy silt (ML)*** stiff, 10YR4/3, medium plasticity	
						Clayey silt (ML) medium stiff - stiff, 10YR3/3, low plasticity, moist	
18		0/0		93			
20							

Geologist(s): Mike Haggerty
Subcontractor: Geotechnology
Driller/ Operator: Craig

Method: **HSA** ☑ **ID(inches):**
Geoprobe ☐ **Rotosonic** ☐

** AMSL= Above mean sea level*

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Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	Well Construction
22		0/0		91		***Sandy silt (ML)*** soft, 10YR5/3, low plasticity, some seams of higher sand content	
24		0/0		98		***Clayey silt (ML)*** stiff, 10YR6/4, low-medium plasticity, higher clay content with depth	
26							
28		0/0		98			
30							
32		1/1		98		***Silty clay (CL)*** very stiff, 10YR5/4, low plasticity ***Sandy, clayey, silt (ML)*** stiff, 10YR5/4, medium plasticity, clay content increases with depth	
34							
36		1/1		65		***Silty sandy clay (CL)*** medium stiff, 10YR5/4, medium plasticity, silt content increases with depth, 1" sand seam at 37.5 feet	
38		3/9	20	96		***Sand seam (SW)*** ***Silty, sandy, clay*** very stiff, 10YR5/3, low plasticity, slight odor detected	hydrated bentonite
40							

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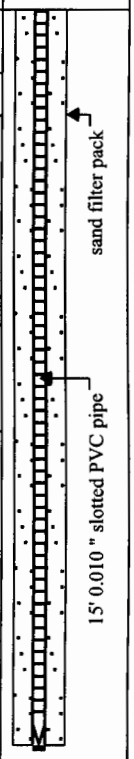
Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	Well Construction
		55/190	16			***Clayey sand (SW)*** medium dense, well sorted	
42						***Silty clay (CL)*** very stiff, 10YR4/2, low plasticity, slight odor detected	
		35/111	10	100		***Clay (CH)*** very stiff, 10YR4/2, high plasticity, moist-wet	
44		57/131	8	100			
46		78/213	7	100		***Silty clay (CH)*** stiff-v. stiff, med-high plasticity, contains some red/orange laminations	
48		4/12	1	100		***Sandy, silty, clay (CH)*** med stiff - stiff, 10YR4/4, high plasticity, wet, 1" sand seam just before 50'	
50		2/8	1	100			
52		2/	10	100		***Silty clay (CH)*** soft-medium stiff, 10YR5/4, high plasticity, some red/orange laminations	
54							
56							
58							
60							



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