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

(to rectify lacking or incorrect information)

LOCATION OF WATER WELL: County: Phillips	Fraction: NW ¼ NE ¼ SE ¼ NE ¼	Section: 27	Township: T 3 S	Range: R 18 ☐E ☒W

Owner: Coffeyville Resources Terminal

Location was listed as:	**Location changed to:**
Sec. 27 **T** 3 **S** **R** 18 ☐E ☒W	**Sec.** 27 **T** 3 **S** **R** 18 ☐E ☒W
Fraction: NW NE SE	**Fraction:** NW NE SE NE

Other changes: Initial statements:

Changed to:

Comments: Added Lat.: 39.7662593 Long.: -99.3299752 (IM-30)

Verification method: David Coe from WSP-Parsons Brinckerhoff obtained Latitude and Longitude from terminal head forman using GPS equipment

initials: DRL date: 05-10-2016

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.

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. IM-30

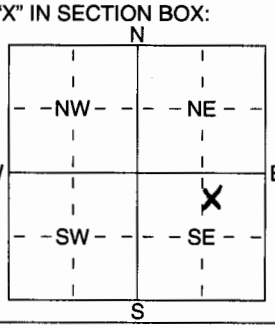
1 LOCATION OF WATER WELL: County: PHILLIPS | Fraction: NW ¼ NE ¼ SE ¼ | Section Number: 27 | Township Number: T 3 (S) | Range Number: R 18 E/(W)

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 52 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 2 in. to 37 ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.
Casing height above land surface 0 in., weight SCH 40 lbs./ft. Wall thickness or guage No. .....

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

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 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 52 ft. to 37 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From 52 ft. to 35 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 35 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	30.5	SILT, DK. YELLOW BROWN, LOW PLASTIC.			
30.5	34.5	SAND, YELLOW BROWN, MED GRAINED, WELL SORTED			
34.5	40.5	SILT, SAND SEAM @ 36, YELLOW BROWN, LOW PLASTICITY			
40.5	42.5	SAND, SILTY, GRAY BROWN, MED GRAINED, WELL SORTED			
42.5	52.5	CLAY, SANDY, GRAY BROWN, SAND SEAM @ 45, 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) [redacted] 7-21-04 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) 9/27/04 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-30

Project: Coffeyville - CRT
Project No.: 131018
Location: Phillipsburg
Completion Date: 7/21/04

Surface Elevation (feet AMSL*): 1945.28
TOC Elevation (feet AMSL*): 1944.83
Total Depth (feet): 52.5
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)	
						Clayey silt (ML) very stiff, 10YR5/4, low plasticity, dry	
2		0/0		96			
4							
6		0/0		98			grout
8						*Clayey, silt (ML)* stiff, 10YR4/4, low plasticity, dry, becoming darker in color with depth	
10		0/1		96			
12							
14		0/0		96			
16						*Clayey, silt (ML)* stiff-very stiff, 10YR3/4, low plasticity	
18		0/1		98		*Clayey silt (ML)* very stiff, 10YR5/4, low plasticity, dry	
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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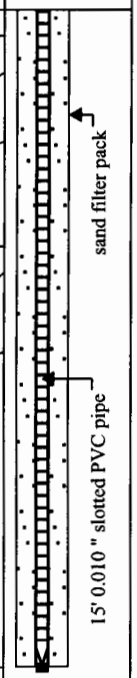
Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	Well Construction
42		39/5	29	-		***Sand (SW)*** loose, 10YR5/3, well sorted, medium grained; ***Silty sand (SM)*** med dense, 10YR5/2, well sorted, medium grained	
44		500/113	9	100		***Sandy, silty, clay (CL)*** stiff, 10YR4/2, low-medium plasticity	
46		258/537	8	100		***Sand (SW)*** loose, 10YR5/2, medium grained; ***Sandy clay (CH)*** medium stiff, 10YR4/10, high plasticity	
48		135/6	6	100		***Clay (CH)*** soft, 10YR5/3, high plasticity, wet, some sand pebbles	
50		0/3	4	100			
52		0/5	9	100			
54							
56							
58							
60							



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Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	Well Construction
22		0/1		98			
24						***Sandy, clayey silt (ML)*** stiff-very stiff, 10YR5/4, low plasticity, sand content increases with depth	
26		0/1		100			
28							
30		0/2		70		***Sandy silt (ML)*** medium stiff, 10YR5/4, low plasticity	
32		0/2	50	67		***Sand (SW)*** med. dense, 10YR5/4, well sorted, medium grained, occasional gravel piece	
34		0/2	26	67			
36		0/1	45	83		***Sandy, clayey silt (ML)*** medium stiff, 10YR5/4, low plasticity	
38		1/2	25	79		***Sand seam*** ***Sandy, clayey, silt (ML)*** medium stiff, 10YR4/4, low plasticity, slight increase in clay content with depth	
40		14/3	22	79			

hydrated bentonite

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

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

* *AMSL= Above mean sea level*