

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

(to rectify lacking or incorrect information)

LOCATION OF WATER WELL: County: <u>Phillips</u>	Fraction <u>NW ¼ NW ¼ SW ¼ NW ¼</u>	Section <u>26</u>	Township T <u>3</u> S	Range R <u>18</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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Owner: Coffeyville Resources Terminal

Location was listed as:

Sec. 26 T 3 S R 18 E W

Fraction: NW NW SW

Location changed to:

Sec. 26 T 3 S R 18 E W

Fraction: NW NW SW NW

Other changes: Initial statements: _____

Changed to: _____

Comments: Added Lat.: 39.76616287 Long.: -99.32802239 (IM-28)

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

GPS equipment

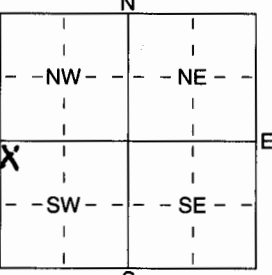
initials: DRL date: 05-10-2016

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.

1 LOCATION OF WATER WELL: Fraction **NW 1/4 NW 1/4 SW 1/4** Section Number **26** Township Number **T 3 S** Range Number **R 18 EW**
 County: **PHILLIPS**

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

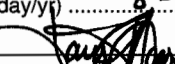
2 WATER WELL OWNER: **COFFEYVILLE RESOURCES TERMINAL**
 RR#, St. Address, Box #: **P.O. Box 608** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: **PHILLIPSBURG, KS 67661** Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL **55** ft. ELEVATION: ft.
 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: 5 Public water supply 8 Air conditioning 11 Injection well
 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; 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
 PVC 4 ABS 7 Fiberglass 9 Other (specify below) Welded
 Blank casing diameter **2** in. to **40** ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface **0** in., weight **SC440** lbs./ft. Wall thickness or gauge No.
 TYPE OF SCREEN OR PERFORATION MATERIAL: PVC 10 Asbestos-Cement
 1 Steel 3 Stainless Steel 5 Fiberglass 8 RMP (SR) 11 Other (Specify)
 2 Brass 4 Galvanized Steel 6 Concrete tile 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) ft.
 SCREEN-PERFORATED INTERVALS: From **55** ft. to **40** ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From **55** ft. to **38** ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From **38** ft. to **1.0** 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)
 Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	0.5	ORGANIC CLAY - TOPSOIL			
0.5	4.5	CLAY, BLACK, LOW PLASTICITY			
4.5	24	SILT, YELLOW BROWN, LOW PLASTICITY			
24	44.5	CLAY, SILTY & SANDY YELLOW BROWN, LOW PLASTICITY			RECEIVED
44.5	52.5	SAND, DK. GRAY, FINE TO MED GRAINED			SEP 30 2004
52.5	55	CLAY, SOME SAND, DK. GRAY			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) **7-21-04** 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) **8-27-04** 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-28

Project: Coffeyville - CRT

Project No.: 131018

Location: Phillipsburg

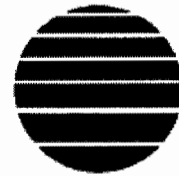
Completion Date: 7/21/04

Surface Elevation (feet AMSL*): 1949.63

TOC Elevation (feet AMSL*): 1949.30

Total Depth (feet): 55

Borehole Diameter (inches): 8.25



ENVIRONMENTAL
STRATEGIES

Sample Data					Subsurface Profile		Well Construction
Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
0						Ground Surface	
0 to 2		0/0		96	Organic Clay (OL) Clay (CL) very stiff, 10YR2/1, low plasticity, dry		
2 to 4							
4 to 6		0/0		54	Clayey Silt (ML) medium stiff, 10YR4/6, low plasticity, dry		
6 to 8							
8 to 10		0/0		96			
10 to 12							
12 to 14		0/0		96			
14 to 16							
16 to 18		0/0		89	Sandy, clayey, silt (ML) very stiff, 10YR3/6, low plasticity, stiffness increasing with depth		
18 to 20							

RECEIVED
SEP 30 2004
BUREAU OF WATER

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

Method: HSA Geoprobe
ID(inches): Rotasonic

* AMSL = Above mean sea level

Boring Log: IM-28

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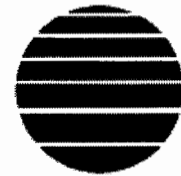
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**ENVIRONMENTAL
STRATEGIES**

Sample Data					Subsurface Profile		
Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	Well Construction
22		0/0		78	Lithology	<i>Clayey silt (ML)</i> very stiff, 10YR5/4, low plasticity	
24						<i>Silty clay (CL)</i> very stiff, 10YR6/6, low plasticity, higher clay content with depth	
26		0/0		96			
28							
30		0/2		98		<i>Sandy, silty, clay (CL)</i> very stiff, 10YR6/6, low plasticity, some carbonate nodules	
32						RECEIVED SEP 30 2004 BUREAU OF WATER	
34		0/3		98	<i>Sandy, clay/silt (CL/ML)</i> stiff, 10YR6/6, medium plasticity, dry		
36							
38		4/11		98	<i>Sandy, silty, clay (CL)</i> medium stiff, 10YR5/6, low plasticity, sand content decreases with depth		
40							

Geologist(s): Mike Haggerty **Method:** HSA **ID(inches):**

Subcontractor: Geotechnology **Geoprobe** **Rotosonic**

Driller/ Operator: Craig

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STRATEGIES**

Sample Data					Subsurface Profile		Well Construction
Depth	Sample Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
42		833/300		100			<p>15' 0.010" slotted PVC pipe sand filter pack</p>
44		930/957		100		<p>Sand seam (SW) 1" seam, loose, well sorted, medium grained</p> <p>Sandy, clay (CL) medium stiff, 10YR5/6, med-high plasticity, detect petroleum vapors</p>	
46		254/629	59	58		<p>Clayey sand (SC) medium dense, 10YR4/1, fine-medium grained, coarser sand with depth, moist, decrease in clay content with depth</p>	
48		419/124	24	75		<p>Sand (SW) medium dense, 10YR4/1, fine-medium grained, wet, coarser sand at base, 2" clay lens at 48', becomes less dense with depth</p>	
50		410/438	15	75		<p>Sand (SW) loose, 10YR7/3, medium grained, well sorted, wet</p>	
52		9/26	10	100		<p>Sandy clay (CH) soft, 10YR4/1, high plasticity, some sand</p>	
54		7.5/14	9	100		<p>Sand (SW) loose, well sorted, medium grained, wet</p> <p>Clay (CL) very stiff, 10YR5/4, low plasticity, dry near bottom</p>	
56							
58							
60							

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

Method: HSA ID(inches):
 Geoprobe Rotasonic

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