| County: Washington Fraction: 3W 3W Sec. 33 T 3 S R / E |
|--|
| CORRECTION(S) TO WATER WELL COMPLETION RECORD Form WWC-5 (to rectify lacking or incorrect information) |
| Owner: Koch Remediation & Environmental Services |
| If location corrected, was listed as: Location changed to: |
| Section-Township-Range: 35-55-/E 35-55-/E |
| Fraction (1/4 calls): None Given SW SW SW SW |
| Other changes: Initial statements: Lat.: 39.5677, Long.: 97.2908 |
| Clay County |
| Changed to: Lat.: 39.5669186, Long.: -97.2935929, WGS 84 |
| Washington County |
| Comments: Lat./Long. ca/culated from State Plane coordinates |
| given in accompanying table. |
| Verification method: Latitude & longitude & KGS' LEO" conversion tool, |
| accompanying site map, and mapping tool & aerial photos |
| on KGS website. Initials: OF Date: 6/11/2018 |
| Submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Avenue, Lawrence, KS 66047-3724 Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topoka, KS 66612, 1367 |
| Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367 |

(01/26/2018)

| WATER WELL R | | | | | | Division of Water | | | | |
|--|---|---------------------------|--|---------|-----------------------------------|-------------------------|--|---------------------|----------------------------|--------------|
| Original Record L | Correction Change in Well Use | | | | Resources App. No. Section Number | | | Township Numb | Well ID | nge Number |
| County: Clay | AIEK WEL | 1 | | | | 35 | 4 | T 5 S | R | M F □ W |
| County: Clay 4 4 4 35 T D S R DE W 2 WELL OWNER: Last Name First Street or Rural Address where well is located (if unknown, distance and | | | | | | | | | | |
| Business Koch Ren | Business Koch Remediation & Environmental Services direction from nearest town or intersection): If at owner's address, check here: | | | | | | | | | |
| Address 4111 E. 37th Street N Center St. and Parallel Road | | | | | | | | | | |
| Address: City: Wighita State: KS ZIP 67220 Clifton KS 66937 | | | | | | | | | | |
| 3 LOCATE WELL | | | | | | | | | | |
| WITH "X" IN | Death(s) Groundwater Engagnaged: 1) | | | | | | | | | |
| SECTION BOX: | N 2) | | | | | | | | | 83 NAD 27 |
| | | | TER LEVEL: | | | Source | ource for Latitude/Longitude: GPS (unit make/model: Garmin etrek 10) | | | |
| | | | e, measured on (mo- e, measured on (mo- | | T) | | | | | |
| NW NE | | | valer was | | | £ | | Survey Topogr | | 10) |
| W E | after | | s pumping | | m | Online Mapper: | | | | |
| SWSE | ofter | | water wass pumping | - | m | | | | recording to the second of | - |
| | 1 | | | ٠. | | | | ı:ft | | |
| S | Bore Hole I | Diameter: | | | t. and | Source | | Land Survey | | |
| mile | | | in. to | | II. | _l | | Other | | |
| 7 WELL WATER TO 1. Domestic: | | | ater Supply: well If |) | | 10 🗆 0 | il Fin | ld Water Supply: | ease . | |
| ☐ Household | 6. |] Dewaterir | ig: how many wells | s? | ************* | _ | | : well ID | | |
| ☐ Lawn & Garden | 7. |] Aquifer R | echarge: well ID | 4727** | ٠ | | | ☐ Uncased ☐ | | |
| Livestock | | | ig: well ID | | | | | al: how many bore | | |
| 2. Irrigation 3. Feedlot | | nvironment] Air Sparg | | | | | | Loop Surface D | | |
| 4. Industrial | | Recovery | | | | | | (specify): | | |
| Was a chemical/bacter | riological sar | nple subn | nitted to KDHE? | ☐ Ye | s No | If yes, date | e san | nple was submitte | :d: | |
| Water well disinfected? | ☐ Yes | No | | | | | | | | |
| 8 TYPE OF CASING | USED: □ S | icel PV | C Other | | CASIN | NG JOINTS | S: 🗆 | Glued Clampe | d 🗆 Welde | d Threaded |
| Casing diameter 2 Casing height above land | in. to5 | | , Diameter n. Weight | | | (t., Dian Wall thick | neter Imace | or gauge NoSch | | |
| TYPE OF SCREEN OF | | | | ******* | 105./11. | W Bit Unici | KIIC23 | or gauge 140 | | |
| Steel Stain | nless Steel | ☐ Fibe | | /C | | ☐ Oti | her (S | Specify) | | ******* |
| | anized Steel | | | ne used | l (open hole | :) | | | | |
| SCREEN OR PERFOR | ATION OPE Mill Slot | | | 7 Toral | . C 🗆 D | rillad Llalar | П | Other (Specify) | | |
| ☐ Continuous Slot ☐ Louvered Shutter | | | | | | one (Open I | | | | ********** |
| SCREEN-PERFORATI | ED INTERV | ALS: From | n 2.1 11. to | 3.6 | A., From | R. t | o | | A. to |) ft. |
| GRAVEL PAG | CK INTERV | ALS: From | n 1.9 ft. to | 36 | fl., From . | ft. t | 0 | fl., From | R. u | ft. |
| 9 GROUT MATERIA | 9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other | | | | | | | | | |
| Circut Intervals: From Nearest source of possible | | inn: | It., From | 11. | lo | It., From | | a. to | IL | |
| Septic Tank | | Lateral Line | es 🔲 Pit Pri | vy | | Livestock Po | ens | ☐ Insecti | cide Storage | ė |
| Sewer Lines | _ | Cess Pool | ☐ Sewag | | | Fuel Storage | | | oned Water | |
| ☐ Watertight Sewer Lit ☐ Other (Specify) | | Scepage Pit | | | | Fertilizer Sto | orage | : □ Oil We | ell/Gas Well | 1 |
| Direction from well? | | | Distance fro | m well | ? | | | A | | |
| 10 FROM TO | 1 | JTHOLO | | | FROM | TO | LIT | HO, LOG (cont.) o | r PLUGGIN | IG INTERVALS |
| 0 29 | Silly | clay | | | | | | | | |
| 29 36 | Sand | | | | | | | | | |
| | | | | | | | | | | |
| | | | | -+ | | | | | | |
| | | | | | | | | | | |
| | | | | | Notes: | | | | | |
| | | | | | | | | | | |
| 11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged | | | | | | | | | | |
| under my jurisdiction and was completed on (mo-day-year) .05/14/2015 and this record is true to the best of my knowledge and belief. | | | | | | | | | | |
| Kansas Water Well Cor | stractor's Lic | ense No | 7.10 This | s Water | r Well Rec | ord was con | mple | eted on (mo-day-y | car) .05/1/ | 8/2015 |
| under the business name | e of Below | Ground S | ch constructed wall to | Kaneur | Donastran | of Hoshib and | Ensi | ronment Bureau afti | aler CWTe | Section |
| Mail I white copy along with a fee of \$5.00 for each constructed well to Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367 Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524 | | | | | | | | | | |
| Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 Revised 1/20/2015 | | | | | | | | | | |

ASSIGNMENT OF WATER WELL TO OWNER

| I, Bryan Reichmuth | of Central Valley Agriculture, 100 Center |
|--|---|
| | (Landowner's address) |
| Clifton Kansas | am the landowner on which the water wells are located in |
| (City) (State) | and a series of the series of the series of |
| the <u>SW</u> quarter of the <u>SW</u> quart | er of the <u>SW</u> quarter in Section <u>35</u> , Township <u>5S</u> |
| Range 1 E, in Washing | cton County, Kansas. The attached figure shows |
| the location of the monitoring wel | ls identified as MW-1, MW-2, MW-3, MW-4, and MW-5 |
| | |
| Koch Agri S | ervices |
| I hereby request that (Koch Reme | diation & Environmental Services) leave the water wells |
| | (Operator name) |
| | |
| unplugged, and I will assume a | ll responsibility for the plugging of said water well in |
| accordance with the requirements | of the Kansas Department of Health and Environment |
| regulation K.A.R. 28-30-7. | |
| | |
| NEW OWNER: | WELL OWNER: |
| From Denbruch 4/3/18 | 12146-Smith 3 Mar 2018 |
| (Signature) (Date | (Signature) (Date) |
| Bryan Reichmuth | By: Robby Smith |
| (Print) | (Agent) |
| | |

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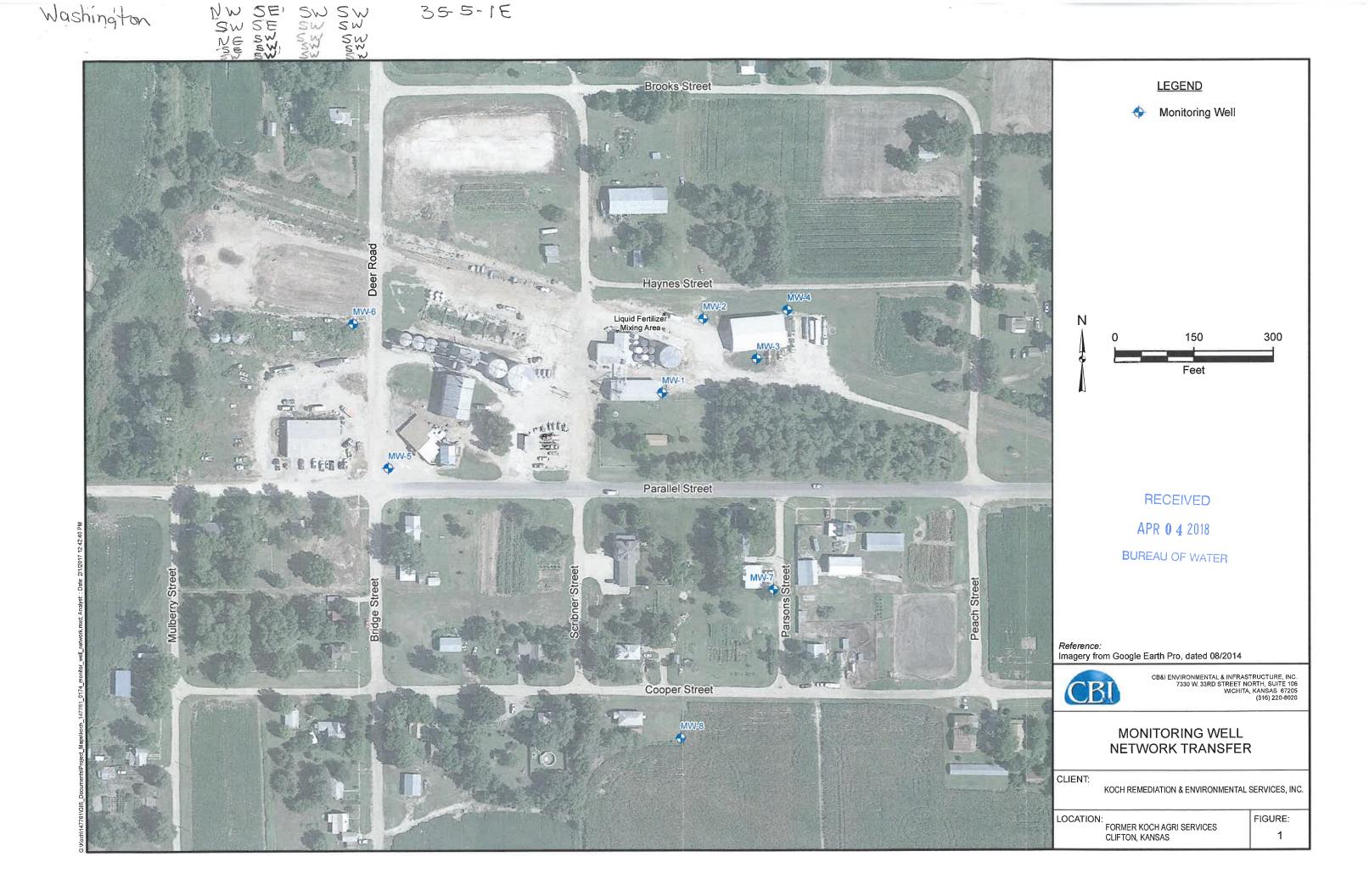


Table 1
Monitoring Well Details
Central Valley Ag Facility - Clifton KS

| | | | | | | | | State Hane | | |
|---------|--------------|--------------------------|---------------------------|---------------------------|----------|------------|-------------|------------------------|------------|--|
| | | | | Top of Casing | Well | Screen | | JAN Coordinates | | |
| | Construction | Total Depth | Total Depth | Elevation | Diameter | Interval | Filter pack | (Zone 1501, NAD83) | | |
| Well ID | Date | (feet bgs ¹) | (feet bTOC ²) | (feet amsl ³) | (inches) | (feet bgs) | (feet bgs) | North | East | |
| MW-1 | 12/9/1994 | 40 | 38.4 | 1275.60 | 2 | 24-39 | 22-40 | 450211.10 | 1511997.71 | |
| MW-2 | 12/9/1994 | 36 | 33.41 | 1273.42 | 2 | 20.5-35.5 | 18.5-35.5 | 450351.13 | 1512075.88 | |
| MW-3 | 12/9/1994 | 35 | 33.53 | 1273.85 | 2 | 20-35 | 18-35 | 450275.34 | 1512177.02 | |
| MW-4 | 5/14/2015 | 35 | 33.31 | 1274.32 | 2 | 20-35 | 18-35 | 450367.84 | 1512235.51 | |
| MW-5 | 5/14/2015 | 36 | 35.36 | 1273.26 | 2 | 21-36 | 19-36 | 450068.80 | 1511479.49 | |
| MW-6 | 5/14/2015 | 36 | 35.32 | 1273.17 | 2 | 21-36 | 19-36 | 450342.80 | 1511412.94 | |
| MW-7 | 5/14/2015 | 35.5 | 34.92 | 1271.64 | 2 | 20.5-35.5 | 18.5-35.5 | 449837.40 | 1512209.15 | |
| MW-8 | 5/14/2015 | 35 | 34.79 | 1269.74 | 2 | 20-35 | 18-35 | 449554.86 | 1512032.41 | |

Notes:

1 - below ground surface

2 - below top of casing

3 - above mean sea level



Aptim Environmental & Infrastructure, Inc. 2872 N Ridge Road, Suite 102 B Wichita, KS 67205

Tel: 316 220 8023 www.aptim.com

April 3, 2018

Ms. Pam Chaffee, Chief Water Well Unit - Geology & Well Technology Bureau of Environmental Remediation Kansas Department of Health and Environment 1000 SW Jackson Street, Suite 420 Topeka, Kansas 66612-1367

Re: Assignment of Water Well to Owner Central Valley Agriculture – Clifton, Kansas

Dear Ms. Chaffee:

On behalf of Koch Remediation & Environmental Services, LLC ("KRES") and Central Valley Agriculture ("CVA"), Aptim Environmental and Infrastructure, Inc. respectfully submits the attached Assignment of Water Well to Owner Form request for monitoring wells located at the CVA facility in Clifton, Kansas. The monitoring wells are currently owned by KRES and will be transferred to CVA for the purpose of monitoring groundwater associated with cleanup activities under the Kansas Department of Health and Environment – Bureau of Environmental Remediation for the Voluntary Cleanup and Property Redevelopment Program project number 07VCP0033. CVA will assume the responsibility for the maintenance, security, and abandonment of these monitoring wells as the new well owner.

Also included with this letter is a table summarizing monitoring well construction details (*Table 1*), a map showing locations of monitoring wells (*Figure 1*), and WWC-5 water well construction records. The attached forms were amended for use with the transfer of multiple monitoring wells.

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Ms. Pam Chaffee Page 2

If you have any questions about this request, please feel free to contact Mr. Robby Smith, KRES, at (316) 828-7680 or via email to robby.smith@kochind.com.

Sincerely,

Melissa Ingrisano, RG

Scientist

CB&I Environmental & Infrastructure, Inc.

Please Reply to: Melissa Ingrisano

Telephone: (617) 589-5024

Email Address: melissa.ingrisano@cbi.com

cc: Mr. Robby Smith, KRES Mr. Bryan Reichmuth, CVA

Attachments: Table 1: Monitoring Well Details

Figure 1: Monitoring Well Network Transfer

Assignment of Water Well to Owner Water Well Construction – Form WWC-5