

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

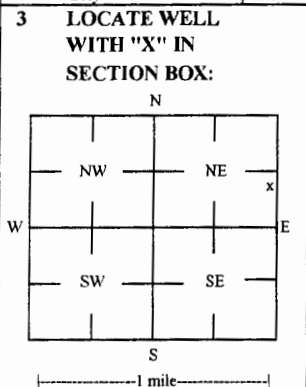
Well ID

MW3

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Wyandotte Fraction NE 1/4 NE 1/4 SE 1/4 NE 1/4 Section Number 17 Township Number 11 S Range Number 25 E W

2 WELL OWNER: Last Name: KDHE Business: KDHE Address: 1000 SW Jackson Blvd City Topeka State KS ZIP: 66612 Street or Rural Address where well is located: 214 S. 18th St., Kansas City, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 33.89 ft Depth(s) Groundwater Encountered: 1) ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: Dry ft. X below land surface, measured on (mo-day-yr) 11/23/16

5 Latitude: 39.09820 (decimal degrees) Longitude: 94.64988 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: X Land Survey Topographic Map Online Mapper 6 Elevation 868.53 ft Ground Level X TOC Source X Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1 Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 X Monitoring: well ID MW3 9 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 10 Oil Field Water Supply: lease 11 Test Hole: well ID Cased Uncased Geotechnical 12 Geothermal: How many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No X No If yes, date sample was submitted: Water well disinfected? Yes No X No

8 TYPE OF CASING USED: Steel X PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 18.89 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.32 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass X PVC Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot X Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 18.89 ft. to 33.89 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 18 ft. to 34 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout X Bentonite X Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 18 ft. From ft. to ft. From ft. to ft.

Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon X Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify)

Direction from well? E-SE Distance from well? ~80 ft

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Topsoil/silt, Silt, Clay, Shale w/ limestone.

Notes: KDHE ID: Former Central States Facility; U4-105-14855 Target of monitoring well is shallow groundwater. <20' of grout was installed at the direction of KDHE.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was X constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 11/14/16 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 12/13/16 under the business name of Larsen & Associates, Inc. Signature

DENNIS L HANDKE

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Lawrence, Kansas, 66046

December 8, 2016
Revised December 13, 2016

RE: Monitor Well Elevation Survey
214 S. 18th Street, Kansas City, Kansas

Proj. 16-00Z
KDHE ID# U4-105-14855
Former Central States Facility

Bench Mark: Square cut on Southeast corner of Northwest concrete signal light base near the NE corner of property.

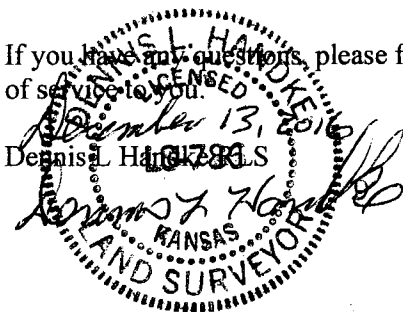
Elev: 863.37	North 3916	West 60	(from SE Cor. Sec. 17-11-25E)
MW-1 rim	855.77	North 3754	NE1/4,NE1/4,SE1/4,NE1/4
top pipe	855.42	West 71	Lat = 39.09812 Long = 94.64962
MW-2 rim	862.59	North 3908	NE1/4,NE1/4,SE1/4,NE1/4
top pipe	862.28	West 65	Lat = 39.09854 Long = 94.64961
MW-3 rim	868.85	South 3782	NE1/4,NE1/4,SE1/4,NE1/4
top pipe	868.53	West 144	Lat = 39.09820 Long = 94.64988
MW-4 rim	856.07	North 3802	NW1/4,NW1/4,SW1/4,NW1/4 (Sec.16)
top pipe	855.82	East 46	Lat = 39.09826 Long = 94.64922
MW-5 rim	855.71	North 3910	NE1/4,SE1/4,NE1/4,NE1/4
top pipe	855.41	West 449	Lat = 39.09855 Long = 94.65096
MW-6 rim	849.27	South 3607	SW1/4,SW1/4,SW1/4,NW1/4 (Sec. 16)
top pipe	848.95	East 46	Lat = 39.09772 Long = 94.64921
MW-7 rim	847.19	North 3608	SE1/4,NE1/4,SE1/4,NE1/4
top pipe	846.89	West 66	Lat = 39.09772 Long = 94.64961
MW-8 rim	871.95	South 3883	NE1/4,SE1/4,SE1/4,NE1/4
top pipe	871.69	West 183	Lat = 39.09848 Long = 94.65002

Lat & Long derived from the Shawnee 7.5 minute Quad map, WGS84.

Elevation derived from KDHE Project ID# U4-105-14119. NAVD 88

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

Dennis L Handke
KANSAS
LAND SURVEYOR



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DEC 27 2016
BUREAU OF WATER