

Revision

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW9

Original Record Correction Change in Well List

1 LOCATION OF WATER WELL: County Jefferson Fraction SE 1/4 NE 1/4 NE 1/4 SW 1/4 Section Number 8 Township Number T 10 S Range Number R 20 E W

2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: Haag Real Estate LLC 326 SE 15th St Topeka KS 66607

3 LOCATE WELL WITH "X" IN SECTION BOX: NW NE SW SE X

4 DEPTH OF COMPLETED WELL: 30.04 ft Depth(s) Groundwater Encountered: 1) 30.04 ft 2) ft 3) ft or 4) Dry Well WELL'S STATIC WATER LEVEL: 4.37 ft

5 Latitude: 39.19312 (decimal degrees) Longitude: 95.20839 (decimal degrees) Horizontal Datum: X WGS 84 GPS (unit make/model):

6 Elevation: 1166.78 ft Ground Level: X TOC Source: X Land Survey GPS Topographic Map

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 Monitoring: well ID MW9 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 PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter: 2 in. to 10 ft. Diameter in. to ft. Diameter in. to ft. Casing height above land surface: -0.34 in. Weight lbs./ft. Well thickness or gauge No

TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) 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)

9 GROUT MATERIAL: Neat cement Cement grout X Bentonite X Other Concrete: 0-0.5ft Grout intervals: From 0.5 ft. to 9 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? NE Distance from well? ~275 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Grass and topsoil, Silty clay with some calcite, Clay loess, Silty sand.

Notes: KDHE ID: McLouth BP: U4-044-14608

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) 6/7/16 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) 6/29/16 under the business name of Larsen & Associates, Inc. Signature

Revision

DENNIS L HANDKE

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June 25, 2016
Revised July 12, 2016

RE: Monitor Well Elevation Survey
101 East Lake Street, McLouth, Kansas

Proj. 16-00G
McLouth BP
KDHE ID U4-044-14608

Bench Mark: Square cut on North center of pump island West of store building.
Elev: 1171.28 North 2651 West 2576 (from SE Cor. Sec. 8-10-20)

MW-9	rim	1167.12	North 2314	SE1/4,NE1/4,NE1/4,SW1/4
	top pipe	1166.78	West 2639	Lat = 39.19312 Long = 95.20839
MW-10	rim	1154.51	North 2257	SW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1154.09	West 2498	Lat = 39.19297 Long = 95.20789
MW-11	rim	1145.19	North 2269	SW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1144.82	West 2355	Lat = 39.19300 Long = 95.20739
MW-12	rim	1146.57	North 2385	NW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1146.18	West 2336	Lat = 39.19372 Long = 95.20732
MW-13	rim	1153.73	North 2559	NW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1153.47	West 2300	Lat = 39.19380 Long = 95.20719
MW-14	rim	1164.73	North 2666	NW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1164.31	West 2361	Lat = 39.19409 Long = 95.20741

Lat & Long derived from McLouth 7.5' quad map. WGS84.

Elevation derived from existing project.

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

