

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID

MW5

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Miami Fraction NW 1/4 NE 1/4 NW 1/4 NE 1/4 Section Number 15 Township Number T 16 S Range Number R 23 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: X

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

4 DEPTH OF COMPLETED WELL: 14 ft Depth(s) Groundwater Encountered: 1) ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 5.02 ft

5 Latitude: 38.66448 (decimal degrees) Longitude: 94.85158 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27

6 Elevation: 912.43 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 Monitoring: well ID MW5 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 5.5 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.35 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) 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 5.5 ft. to 14 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 3 ft. to 14 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 3 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? SSW Distance from well? ~80 ft

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-13 Silty clay, 13-14 Limestone

Notes: KDHE ID: Coburn General Merc.; U4-061-14792 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) 10/25/16 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) 2/21/17 under the business name of Larsen & Associates, Inc. Signature

DENNIS L HANDKE

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Jessica Chapman
Larsen & Associates
1311 E 25th Street, Suite B
Lawrence, Kansas, 66049

December 1, 2016

RE: Monitor Well Elevation Survey
110 Central, Hillsdale, Kansas

Proj. 16-00Y
Coburn General Merc.
U4-061-14792

Bench Mark: Spike in West side of power pole near SE corner of property.
Elev: 913.93 North 5000 West 1736 (from SE Cor. Sec. 15-16-23E)

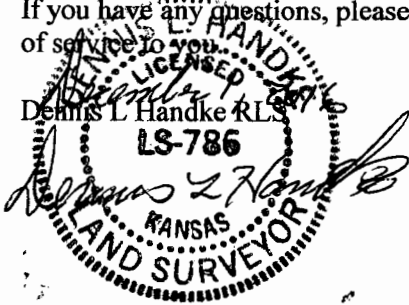
MW-1	rim	912.87	North	4975	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	912.53	West	1753	Lat= 38.66426 Long = 94.85165
MW-2	rim	913.01	North	4973	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	912.70	West	1811	Lat= 38.66425 Long = 94.85185
MW-3	rim	913.89	North	5011	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	913.65	West	1778	Lat= 38.66436 Long = 94.85174
MW-4	rim	914.65	North	5013	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	914.30	East	1836	Lat= 38.66436 Long = 94.85194
MW-5	rim	912.78	North	5054	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	912.43	West	1731	Lat= 38.66448 Long = 94.85158

Elevation derived from Miami County Bridge Project II-04-ST(594). NAVD 83. BM#1

Lat & Long derived from Spring Hill 7.5' Quad Map. WGS84

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 R.L.S.



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MAR 13 2017
BUREAU OF WATER