Revision WATER WELL RECORD Form WWC-5 Division of Water Original Record Correction Change in Well List Resources App. No. Section Number | Township Number Range Number LOCATION OF WATER WELL: S R 20 X E NW 1/4 NW 1/4 8 10 County Jefferson Street or Rural Address where well is located (if unknown, distance and direction WELL OWNER: Last Name: First from nearest town or intersection): If at owner's address, check here: Business. Haag Real Estate LLC 101 F Lake St. McLouth, KS Address 326 SE 15th St Address: ZIP: 66607 State: KS Topeka City 39.19409 (decimal degrees) DEPTH OF COMPLETED WELL: 35.01 ft Latitude: LOCATE WELL 95.20794 (decimal degrees) WITH "X" IN Horizontal Datum: WGS 84 NAD 83 NAD 27 SECTION BOX: Source for Latitude/Longitude: WELL'S STATIC WATER LEVEL: 9.84 ft. GPS (unit make/model: below land surface, measured on (mo-day-yr) 8/20/15 (WAAS enabled? Yes No) above land surface, measured on (mo-day-yr) Land Survey Topographic Map Pump test data: Well water was fi after hours pumping gpm Online Mapper W. Water well was after hours pumping gpm Elevation 1192.05 ft Ground Level X TOC Source Land Survey GPS Topographic Map Estimated Yield: gpm Bore Hole Diameter: 7.25 in to ft. and in to \_\_\_\_ft -1 mile-WELL WATER TO BE USED AS: 10 Oil Field Water Supply: lease 5 Public Water Supply: well ID 1 Domestic: 11 Test Hole: well ID 6 Dewatering: how many wells? Household Cased Uncased Geotechnical 7 Aquifer Recharge: well ID Lawn & Garden 12 Geothermal: How many bores? Monitoring: well ID MW5 Livestock a) Closed Loop Horizontal Vertical 9 Environmental Remediation: well ID Irrigation Air Sparge Soil Vapor Extraction Surface Discharge \_\_\_\_ Inj. of Water b) Open Loop Feedlot Injection Other (specify): Recovery Industrial Was a chemical/bacteriological sample submitted to KDHE? Yes X No If ves, date sample was submitted: Water well disinfected? Yes No TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clampled Welded X Threaded ft. Diameter in to ft,

Well thickness or gauge No Casing diameter 2 in. to 15.01 ft, Diameter in to Casing height above land surface 0.41 in Weight lbs:/ft. TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC

Brass Galvanized Steel Concrete tile None used (open hole) Other (Specify) SCREEN OR PERFORATION OPENINGS ARE: Mill Slot Gauze Wrapped

Key Punched Wire Wrapped Other (Specify) Drilled Holes Torch Cut Continuous Slot Saw Cut None (Open Hole) Louvered Shutter fi. to \_\_\_\_\_fi. From \_\_\_\_fi. to \_\_\_\_\_fi. SCREEN-PERFORATED INTERVALS: From 15.01 ft. to 35.01 ft. From GRAVEL PACK INTERVALS: From 13 ft. to 35.01 ft. From ft, From ft. to Other Concrete: 0-1ft 9 GROUT MATERIAL: Neat cement Cement grout Bentonite ft. From ft. to ft. Grout intervals: From 1 ft. to 13 ft. From ft. to \_\_\_\_\_ Nearest source of possible contamination: \_\_\_\_ Insecticide Storage Livestock Pens Pit Privy Septic Tank Lateral Lines Abandoned Water Well Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Oil Well / Gas Well Fertilizer Storage Seepage Pit Feedvard Watertight Sewer Lines Other (Specity) Distance from well? ~45 ft Direction from well? W LITHOLOGIC LOG FROM TO . LITHO. LOG (cont.) or PLUGGING INTERVALS 10 FROM TO Asphalt and concrete 0.75 0 Silty clay 0.75

Silty clay, caliche, trace gravel 16 15 Silty clay, caliche, increasing gravel Silty clay, trace caliche, gravel Silty clay, trace caliene, gravel, trace fine sand Notes: KDHE ID: McLouth BP: U4-044-14608 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed. reconstructed. or plugged under my jurisdiction and was completed on (mo-day-year) 8/18/15 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) 11/11/15 under the business name of Larsen & Associates. Inc. Si Mail 1 white copy along with a fee of \$5,00 for each constructed well to: Kansas Department of Health and Environment. Bureau of Ward: GWTS Section. 1000 SW Jackson St., Suite 420, Topcka, Kansas 66612-1367, Mail one to Water Well Owner and retain one for your regulas Telephone Revised 7/10/2015 Visit us at http://www.kdhcks.gov/waterwell/index.html KSA 82a-1212

Revision

## DENNIS L HANDKE

1820 NW 59th Terrace TOPEKA, KANSAS 66618 785-286-4047 Home 785-286-1990 Fax

Jessica Chapman Larsen & Associates 1311 E. 25<sup>th</sup> Street, Suite B Lawrence, Kansas 66046 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	6 (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,NV	V1/4,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,NV	V1/4,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,NV	W1/4,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,NV	W1/4,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,NV	W1/4,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