| WATER WELL RECORD Form WWC-5  X Original Record Correction Change in Well Ust  | Division of Water Resources App. No. Well ID MW17  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| 1 LOCATION OF WATER WELL: Fraction   | Section Number Township Number Range Number  |  |  |  |  |  |  |  |  |
| County Johnson NE ¼ NW ¼ NE ¼ 34 T 12 S R 24 X E W  WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and direction  |  |  |  |  |  |  |  |  |  |
| 2 11222 0 111 2231 2331  | from nearest town or intersection): If at owner's address, check here:   |  |  |  |  |  |  |  |  |
| Address: 605 W. 47th St., Suite 200 8700 Long, Lenexa, KS  |  |  |  |  |  |  |  |  |  |
| Address: City Kansas City State: MO ZIP: 64112   |  |  |  |  |  |  |  |  |  |
| 3 LOCATE WELL 4 DEPTH OF COMPLETED WELL:   | 8.5 ft 5 Latitude: 38.97085 (decimal degrees)  |  |  |  |  |  |  |  |  |
| WITH "X" IN         Depth(s) Groundwater Encountered:         1)           SECTION BOX:         2)         ft         3)         ft, or         4)         Dry   | ft         Longitude         94.73128 (decimal degrees)           Well         Horizontal Datum: X   WGS 84   NAD 83   NAD 27  |  |  |  |  |  |  |  |  |
| N WELL'S STATIC WATER LEVEL: 9.61 ft. Source for Latitude/Longitude:   |  |  |  |  |  |  |  |  |  |
| x below land surface, measured on (mo-day-y  |  |  |  |  |  |  |  |  |  |
| NW NE Dabove land surface, measured on (mo-day-y Pump test data: Well water was  | r) (WAAS enabled? Yes No) ft X Land Survey Topographic Map   |  |  |  |  |  |  |  |  |
| after hours numping  | gpm Online Mapper  |  |  |  |  |  |  |  |  |
| Water well was   | ft The state of th |  |  |  |  |  |  |  |  |
| SW SE after hours pumping  | gpm 6 Elevation 1049.19 ft Ground Level X TOC Source X Land Survey GPS Topographic Map   |  |  |  |  |  |  |  |  |
| Estimated Yield: gpm Bore Hole Diameter: 7.25 in to  |  |  |  |  |  |  |  |  |  |
| s in to  | ft   |  |  |  |  |  |  |  |  |
| 7 WELL WATER TO BE USED AS:  |  |  |  |  |  |  |  |  |  |
| 1 Domestic: 5 Public Water Supply: well ID   | 10 Oil Field Water Supply: lease   |  |  |  |  |  |  |  |  |
| Household 6 Dewatering: how many wells?  | 11 Test Hole: well ID  |  |  |  |  |  |  |  |  |
| Lawn & Garden 7 Aquifer Recharge: well ID Livestock 8 X Monitoring: well ID MW17   | Cased Uncased Geotechnical  12 Geothermal: How many bores?   |  |  |  |  |  |  |  |  |
| Livestock 8 X Monitoring: well ID MW17  2 Irrigation 9 Environmental Remediation: well ID  | a) Closed Loop Horizontal Vertical   |  |  |  |  |  |  |  |  |
| 3 Feedlot Air Sparge Soil Vapor Extraction   | b) Open Loop Surface Discharge Inj. of Water   |  |  |  |  |  |  |  |  |
| 4 Industrial Recovery Injection  | Other (specify):   |  |  |  |  |  |  |  |  |
| Was a chemical/bacteriological sample submitted to KDHE? Yes X No Water well disinfected? Yes X No   | If yes, date sample was submitted:   |  |  |  |  |  |  |  |  |
| 8 TYPE OF CASING USED: Steel X PVC Other   | CASING JOINTS: Glued Clampled Welded X Threaded  |  |  |  |  |  |  |  |  |
| Casing diameter 2 in to 8.5 ft. Diameter in to   | ft, Diameter in to ft,   |  |  |  |  |  |  |  |  |
| Casing height above land surface -0.27 in. Weight TYPE OF SCREEN OR PERFORATION MATERIAL:  | lbs./ft. Well thickness or gauge No  |  |  |  |  |  |  |  |  |
| Steel Stainless Steel Fiberglass X PVC   | Other (Specify)  |  |  |  |  |  |  |  |  |
| Brass Galvanized Steel Concrete tile None used (open h   |  |  |  |  |  |  |  |  |  |
| SCREEN OR PERFORATION OPENINGS ARE:  |  |  |  |  |  |  |  |  |  |
| Continuous Slot X Mill Slot Gauze Wrapped Torch  |  |  |  |  |  |  |  |  |  |
| Louvered Shutter Key Punched Wire Wrapped Saw C<br>SCREEN-PERFORATED INTERVALS: From 8.5 ft. to 18.5 ft, Fr  | ut None (Open Hole) omft. toft, Fromft. toft,  |  |  |  |  |  |  |  |  |
| GRAVEL PACK INTERVALS: From 6.5 ft. to 18.5 ft, Fr   | ft. to ft, From ft. to ft,   |  |  |  |  |  |  |  |  |
| 9 GROUT MATERIAL: Neat cement Cement grout X Benton  | te X Other Concrete: 0-0.5'  |  |  |  |  |  |  |  |  |
| Grout intervals: From 0.5 ft. to 6.5 ft, From ft. to   | ft, From ft. to ft,  |  |  |  |  |  |  |  |  |
| Nearest source of possible contamination:   Septic Tank  | 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 (Specity)  |  |  |  |  |  |  |  |  |  |
| Direction from well? S Distance from well  |  |  |  |  |  |  |  |  |  |
| 10 FROM   TO   LITHOLOGIC LOG  | FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS   |  |  |  |  |  |  |  |  |
| 0.5 3 Silty clay, trace gravel   |  |  |  |  |  |  |  |  |  |
| 3 10 Silty clay 10 16 Shale, trace clay  |  |  |  |  |  |  |  |  |  |
| 16 Shale, trace clay, w/ limestone cobbles   |  |  |  |  |  |  |  |  |  |
|  | Notes: KDHE ID: Shell Retail Gasoline Station; U4-046-13893  |  |  |  |  |  |  |  |  |
| 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) 4/12/17 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) 5/22/17   |  |  |  |  |  |  |  |  |  |
| under the business name of Larsen & Associates. Inc.  Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, 6WTS Section,   |  |  |  |  |  |  |  |  |  |
| Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Wa  | Department of Health and Environment, Burday of Welet, GWTS Section, ter Well Owner and retain one for your records: Telephone 785-296-5524  |  |  |  |  |  |  |  |  |
| Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-12  |  |  |  |  |  |  |  |  |  |

## DENNIS L HANDKE

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

Jess Chapman Larsen & Associates 1311 E. 25<sup>th</sup> St., Suite B Lawrence, Kansas, 66046 May 16, 2017 Revised May 23, 2017

RE: Monitor Well Elevation Survey 8700 Long Street, Lenexa, Kansas Proj. 17-00P U4-046-13893 Shell Station

| Bench Mark: Square cut on NW corner of concrete power box pad near the Southwest corner of property. |                 |                             |               |              |                                      |   |                     |                                |  |  |
|--|-----------------|-----------------------------|---------------|--------------|--------------------------------------|---|---------------------|--------------------------------|--|--|
| Elev: 1052.50  |                 | North 5128.00               |               |              | 2200.00 (from SE Cor. Sec. 34-12-24) |   |                     |                                |  |  |
| MW-17  | rim<br>top pipe | 1049.46<br>1049.19          | North<br>West | 5219<br>2171 |                                      | , | •                   | IW1/4,NE/14<br>Long = 94.73128 |  |  |
| MW-18  | rim<br>top pipe | 1049. <b>8</b> 9<br>1049.63 | North<br>West | 5216<br>2100 |                                      | , | ,                   | IW1/4,NE/14<br>Long = 94.73103 |  |  |
| MW-19  | rim<br>top pipe | 1051.62<br>1051.29          | North<br>West | 5179<br>2144 |                                      |   |                     | IW1/4,NE/14<br>Long = 94.73119 |  |  |
| MW-20  | rim<br>top pipe | 1052.05<br>1051.72          | North<br>West | 5027<br>2117 |                                      |   | ,                   | IW1/4,NE/14<br>Long = 94.73109 |  |  |
| MW-21  | rim<br>top pipe | 1054.86<br>1054.57          | North<br>West | 4976<br>2196 |                                      | , | NW 1/4,N<br>3.97081 | IW1/4,NE/14<br>Long = 94.73137 |  |  |
| MW-22  | rim<br>top pipe | 1051.63<br>1051.37          | North<br>West | 4996<br>2074 |                                      | , | ,                   | IW1/4,NE/14<br>Long = 94.73094 |  |  |

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

Elevation derived from existing project.

RECEIVED

JUN 27 2017

BUREAU OF WATER

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

