

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW9

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Hodgeman Fraction SE 1/4 NE 1/4 SW 1/4 NW 1/4 Section Number 6 Township Number T 23 S Range Number R 23 E W

2 WELL OWNER: Last Name: Business: KDHE Address: 1000 SW Jackson Blvd City Topeka State: KS ZIP: 66612 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 623 Main, Jetmore, KS

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

4 DEPTH OF COMPLETED WELL: 65 ft Depth(s) Groundwater Encountered: 1) 65 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 51.37 ft

5 Latitude: 38.08295 (decimal degrees) Longitude: 99.89446 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model) Land Survey Topographic Map Online Mapper

6 Elevation 2304.83 ft Ground Level TOC Source Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1 Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2 Public Water Supply: well ID 3 Dewatering: how many wells? 4 Aquifer Recharge: well ID 5 Monitoring: well ID MW9 6 Environmental Remediation: well ID 7 Air Sparge Soil Vapor Extractor 8 Recovery Injection 9 Oil Field Water Supply: lease 10 Test Hole: well ID Cased Uncased Geotechnical 11 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 Water well disinfected? Yes No If yes, date sample was submitted:

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 45 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.36 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 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 45 ft. to 65 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 43 ft. to 65 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-1 ft Grout intervals: From 1 ft. to 43 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 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? ~70 ft

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show depth intervals and lithology: 0-0.3 Gravel, 0.3-16 Clayey silt, 16-20 Silt, 20-31 Clayey silt, 31-33 Silt with gravel, 33-65 Silt.

Notes: KDHE ID: Guthrie Station; U1-042-14957

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 7/7/17 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) 7/26/17 under the business name of Larsen & Associates, Inc. Signature

SMH CONSULTANTS

August 15, 2017

Larsen & Associates, Inc.
 Jessica Chapman
 1311 East 25th Street, Suite B
 Lawrence, Kansas 66046
 Email: Jess@larsenenvironmental.com

RE: Project No. 1707MN1211

Jessica:

The following is the information requested on a Monitoring Well Site, Guthrie Station, 611 Main Street, Jetmore, Hodgeman County, Kansas.

| Point | North Coord. | East Coord. | Distance SE Cor. North | From S.06 West | Elev. Top Of Rim or PK Nail | Elev. Top of PVC Pipe | Latitude North | Longitude West |
|-----------------------------|-----------------|----------------|------------------------------|----------------------|-----------------------------------|-----------------------------|-------------------|------------------------|
| SE Corner S.06-T23S-R23W | 10000 | 10000 | | | | | | |
| MW7 | 13469.79 | 6008.40 | 3469.79 | 3991.60 | 2305.95 | 2305.43 | 38.08328 | 99.89446 |
| MW8 | 13389.48 | 6048.98 | 3389.48 | 3951.02 | 2306.15 | 2305.75 | 38.08306 | 99.89432 |
| MW9 | 13348.80 | 6010.71 | 3348.80 | 3989.29 | 2305.19 | 2304.83 | 38.08295 | 99.89446 |
| MW10 | 13510.44 | 6221.01 | 3510.44 | 3778.99 | 2306.24 | 2305.70 | 38.08338 | 99.89372 |
| MW11 | 13395.30 | 6377.06 | 3395.30 | 3622.94 | 2303.35 | 2302.94 | 38.08306 | 99.89318 |
| MW12 | 13428.50 | 6133.96 | 3428.50 | 3866.04 | 2305.36 | 2305.03 | 38.08316 | 99.89403 |
| Site BM | 13246.28 | 6151.69 | 3246.28 | 3848.31 | | | | BM Elevation = 2301.74 |

BM Description: "□" Square cut on top of curb at northwest corner of corner of Main and Tucker.

MW7, MW9 are in the: SE¼ NE¼ SW¼ NW¼ S.06-T23S-R23W
 MW8, MW10, MW12 are in the: SW¼ NW¼ SE¼ NW¼ S.06-T23S-R23W
 MW11 is in the: SE¼ NW¼ SE¼ NW¼ S.06-T23S-R23W

If you have any questions, please do not hesitate in giving us a call.

Sincerely,



Tim Sloan, L.S.
 SMH CONSULTANTS

RECEIVED
 SEP 01 2017
 BUREAU OF WATER