

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW4

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Hodgeman Fraction NW 1/4 NE 1/4 SE 1/4 SW 1/4 Section Number 6 Township Number T 23 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: ~110' SE of 623 S. Main, Jetmore, KS

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

4 DEPTH OF COMPLETED WELL: 64.95 ft Depth(s) Groundwater Encountered: 1) ft 2) ft 3) ft or 4) Dry Well WELL'S STATIC WATER LEVEL: 53.63 ft

5 Latitude: 38.08236 (decimal degrees) Longitude: 99.89378 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model:) (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper

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 MW4 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 If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 44.95 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.45 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 44.95 ft. to 64.95 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 43 ft. to 65.5 ft, From ft. to ft, From ft. to ft,

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-0.7' Grout intervals: From 0.7 ft. to 41 ft, From 41 ft. to 43 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? NNW Distance from well? ~130 ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.2	Topsoil	55	65.5	Silty clay, sand
0.2	5	Silty clay			
5	15	Silt, loess			
15	23.5	Sandy silt, loess			
23.5	27	Fine sand			
27	35	Silty clay			
35	40	Sandy silt			
40	45	Clayey silt with sand and some gravel			
45	55	Silty clay			

Notes: KDHE ID: Jim Whipple Service; UI-042-14441

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) 3/30/16 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) 4/21/16 under the business name of Larsen & Associates, Inc. Signature

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, CWWS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

SMH CONSULTANTS

~~KGS Copy~~

April 20, 2016

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

RE: Project No. 1604DG1071

Dear Jessica:

The following is the information requested on a Monitoring Well Site, Jim Whipple Service, 623 South main, 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						
MW1	11259.11	6706.66	1259.11	3293.34	2303.05	2302.80	38.08279	99.89406
MW2	11256.15	6759.10	1256.15	3240.90	2302.28	2301.99	38.08265	99.89407
MW3	11191.22	6727.49	1191.22	3272.51	2304.51	2304.00	38.08274	99.89429
MW4	11341.21	6862.43	1341.21	3137.57	2299.14	2298.69	38.08236	99.89378
MW5	11367.74	3734.49	1367.74	3265.51	2302.59	2302.36	38.08271	99.89368
MW6	11263.30	6647.28	1263.30	3352.72	2304.45	2304.01	38.08295	99.89404
Site BM	11283.24	6753.72	1283.24	3246.28				

BM Elevation = 2301.74

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

MW1, MW2, MW3, MW4, MW5 are in the: NW¼ NE¼ SE¼ SW¼ S.06-T23S-R23W
MW6 is in the: NE¼ NW¼ SE¼ SW¼ 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