WATER WELL RECORD Form WWC-5

[X] Original Record [ ] Correction [ ] Change in Well Ust

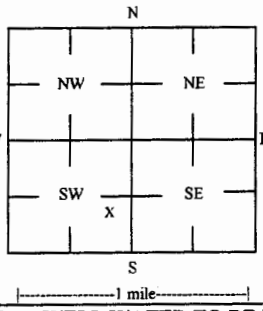
Division of Water Resources App. No. _____ Well ID **MW2**

1 LOCATION OF WATER WELL: County Hodgeman | Fraction NW ¼ NE ¼ SE ¼ SW ¼ | Section Number 6 | Township Number T 23 S | Range Number R 23 [ ] E [X] W

2 WELL OWNER: Last Name: First:
Business: KDHE
Address: 1000 SW Jackson Blvd
Address:
City Topeka State: KS ZIP: 66612

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: [ ]
623 S. Main, Jetmore, KS

3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 64.38 ft
Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) [ ] Dry Well
WELL'S STATIC WATER LEVEL: 51.66 ft.
[X] below land surface, measured on (mo-day-yr) 3/31/2016
[ ] above land surface, measured on (mo-day-yr) _____
Pump test data: Well water was _____ ft after _____ hours pumping _____ gpm
Water well was _____ ft after _____ hours pumping _____ gpm
Estimated Yield: _____ gpm
Bore Hole Diameter: 7.25 in to _____ ft, and _____ in to _____ ft

5 Latitude: 38.08265 (decimal degrees)
Longitude 99.89407 (decimal degrees)
Horizontal Datum: WGS 84 [ ] NAD 83 [ ] NAD 27
Source for Latitude/Longitude:
[ ] GPS (unit make/model: _____) (WAAS enabled? [ ] Yes [ ] No)
[X] Land Survey [ ] Topographic Map
[ ] Online Mapper

6 Elevation 2301.99 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
2 [ ] Irrigation
3 [ ] Feedlot
4 [ ] Industrial
5 [ ] Public Water Supply: well ID
6 [ ] Dewatering: how many wells?
7 [ ] Aquifer Recharge: well ID
8 [X] Monitoring: well ID **MW2**
9 Environmental Remediation: well ID [ ] Air Sparge [ ] Soil Vapor Extractior [ ] 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 [X] No If yes, date sample was submitted: _____
Water well disinfected? [ ] Yes [X] No

8 TYPE OF CASING USED: [ ] Steel [X] PVC [ ] Other _____ CASING JOINTS: [ ] Glued [ ] Clampled [ ] Welded [X] Threaded
Casing diameter 2 in. to 44.38 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft,
Casing height above land surface -0.29 in. Weight _____ lbs./ft. Well thickness or gauge No _____

TYPE OF SCREEN OR PERFORATION MATERIAL:
[ ] Steel [ ] Stainless Steel [ ] Fiberglass [X] 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 44.38 ft. to 64.38 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 [X] Cement grout [X] Bentonite [X] 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 [X] Fuel Storage [ ] Abandoned Water Well
[ ] Watertight Sewer Lines [ ] Seepage Pit [ ] Feedyard [ ] Fertilizer Storage [ ] Oil Well / Gas Well
[ ] Other (Specity) _____
Direction from well? N Distance from well? ~10 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Concrete	34.5	35	Clayey sand
0.5	12	Silt, loess	35	36	Silty clay
12	20	Silt	36	40	Clay
20	21.5	Fine sand	40	47	Silty clay
21.5	25	Silt	47	54	Clayey silt
25	30	Fine sand	54	65.5	Silt
30	31	Silt	Notes: KDHE ID: Jim Whipple Service; U1-042-14441		
31	33	Clayey silt			
33	34.5	Sandy clay			

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) 3/21/16 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, GWTS 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.

Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 **Revised 7/10/2014**

KGS Copy

SMH
CONSULTANTS

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 REGISTERED LS-783 KANSAS LAND SURVEYOR

Tim Sloan, L.S.
SMH CONSULTANTS