

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

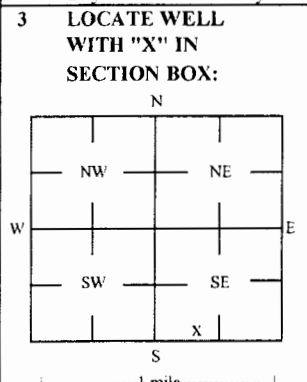
Well ID

MW5

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

1 LOCATION OF WATER WELL: County Ellis Fraction SW 1/4 SE 1/4 SW 1/4 SE 1/4 Section Number 32 Township Number T 13 S Range Number R 18 [] E [X] 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: [X]



4 DEPTH OF COMPLETED WELL: 24 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) [] Dry Well

5 Latitude: 38.87081 (decimal degrees) Longitude: 99.34347 (decimal degrees) Horizontal Datum: [X] WGS 84 [] NAD 83 [] NAD 27

6 Elevation: 1987.72 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 [] Irrigation [] Feedlot [] Industrial 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 [X] Monitoring: well ID MW5 9 Environmental Remediation: well ID

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 [] Clamped [] Welded [X] Threaded Casing diameter 2 in. to 10 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft, Casing height above land surface -0.34 in. Weight _____ lbs./ft. Well thickness or gauge No _____

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete: 0-1' Grout intervals: From 1 ft. to 8 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 [X] Fuel Storage [] Abandoned Water Well [] Watertight Sewer Lines [] Seepage Pit [] Feedyard [] Fertilizer Storage [] Oil Well / Gas Well [] Other (Specify) _____

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include: 0-1 Concrete, 1-6.5 Clayey silt, 6.5-10 Silt with increasing fine sand, 10-11 Silt, 11-24 Sand, fine.

Notes: KDHE ID: Fort Hays State University Power Plant; U6-026-14679 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) 6/14/17 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) 7/10/17 under the business name of Larsen & Associates, Inc. Signature _____

SMH CONSULTANTS

June 28, 2017

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

RE: Project No. 1706MN1174

Jessica:

The following is the information requested on a Monitoring Well Site, Fort Hays State University Power Plant, 411 Lyman Street, Hays, Ellis County, Kansas.

| Point | North Coord. | East Coord. | Distance SW Cor. North | From S.32 East | Elev. Top Of Rim or PK Nail | Elev. Top of PVC Pipe | Latitude North | Longitude West |
|-----------------------------|-----------------|----------------|------------------------------|----------------------|-----------------------------------|-----------------------------|-------------------|-------------------|
| SW Corner S.32-T13S-R18W | 10000 | 10000 | | | | | | |
| MW1 | 10062.98 | 13354.53 | 62.98 | 3354.53 | 1988.48 | 1988.09 | 38.87087 | 99.34330 |
| MW2 | 10131.10 | 13380.69 | 131.10 | 3380.69 | 1989.19 | 1988.89 | 38.87106 | 99.34321 |
| MW3 | 10054.91 | 13522.35 | 54.91 | 3522.35 | 1988.33 | 1988.13 | 38.87084 | 99.34272 |
| MW4 | 10268.30 | 13269.71 | 268.30 | 3269.71 | 1990.82 | 1990.26 | 38.87144 | 99.34360 |
| MW5 | 10040.07 | 13306.50 | 40.07 | 3306.50 | 1988.06 | 1987.72 | 38.87081 | 99.34347 |
| MW6 | 10027.19 | 13415.01 | 27.19 | 3415.01 | 1986.79 | 1986.47 | 38.87077 | 99.34309 |
| Site BM | 10031.69 | 13402.12 | 31.69 | 3402.12 | | BM Elevation = 1989.99 | | |

BM Description: "□" Square cut on light pole base #639.

MW1, MW2, MW3, MW5, MW6 are in the: SW¼ SE¼ SW¼ SE¼ S.32-T13S-R18W
 MW4 is in the: SE¼ SW¼ SW¼ SE¼ S.32-T13S-R18W

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

Sincerely,



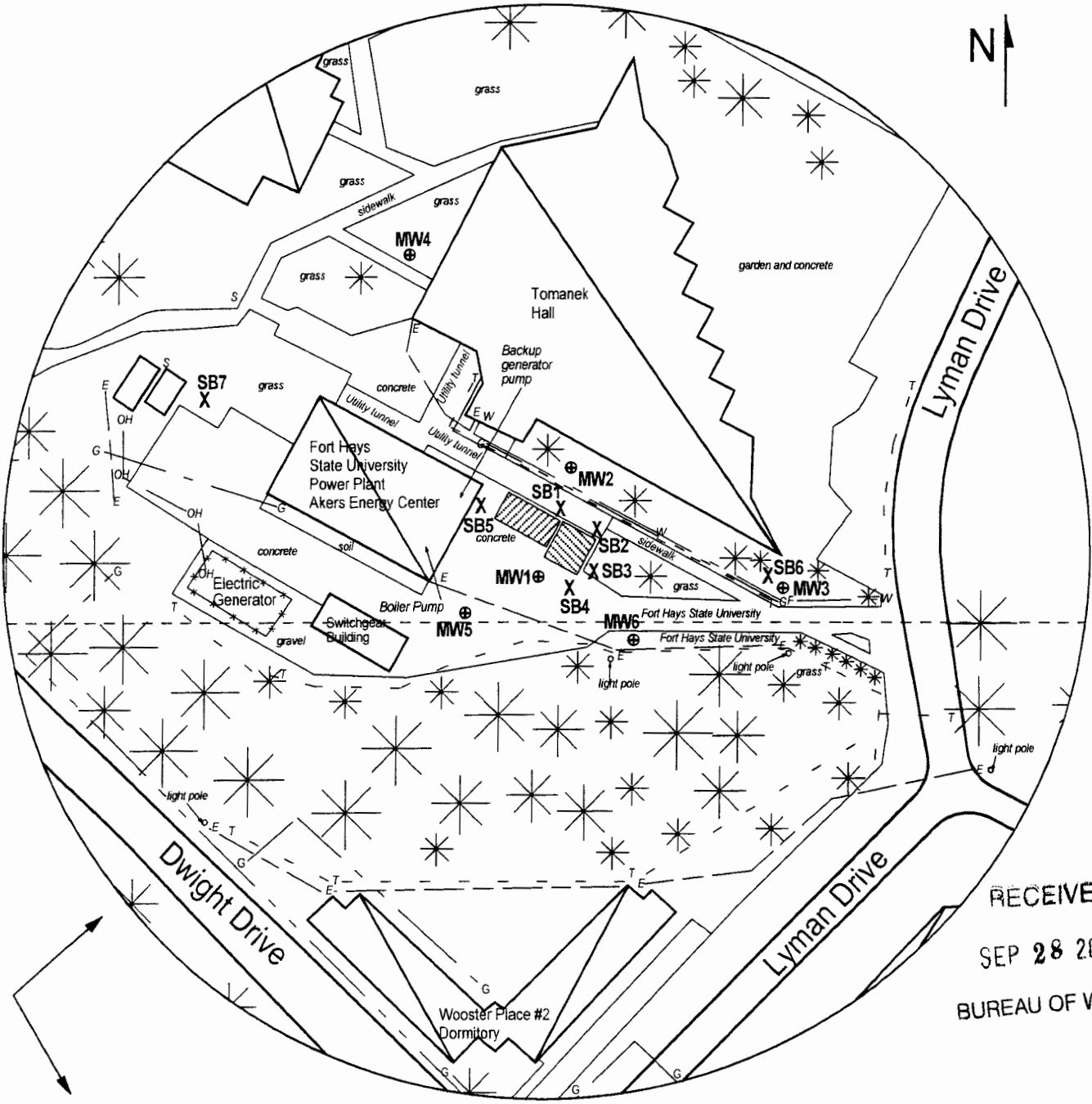
Tim Sloan, L.S.
 SMH CONSULTANTS

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BUREAU OF WATER

NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.



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Estimated Groundwater
 Flow Direction

FIGURE 2.1 - 350 FT RADIUS AREA BASE MAP

LEGEND:

- Approximate Location of Former UST Basin
- Approximate Location of Active UST Basin
- Building with Basement
- Approximate Location of Property Line
- Monitoring Well (Installed 6/13-14/17)
- Soil Boring (Drilled 6/14-15/17)
- Sewer Cover
- Electric Lines (2 - 6 ft BGS)
- Gas Lines (2 - 6 ft BGS)
- Overhead Lines (25-40 ft high)
- Telephone Lines (2 - 6 ft BGS)



PROJECT:
 Fort Hays State University
 Power Plant
 411 Lyman St.
 Hays, KS
 KDHE ID: U6-026-14679
 Date: 6/26/17



1311 E 25th St., Suite B (785) 841-8707 office
 Lawrence, KS 66046 (785) 865-4282 fax

NOTE: Utility depths, heights and locations are approximate.