WATER WELL RECORD Form WWC-5

■ Original Record ☐ Correction ☐ Change in Well Use

Division of Water Resources App. No. _____ Well ID MW-15

1 LOCATION OF WATER WELL: County: Sherman | Fraction: SW ¼ SW ¼ NE ¼ SW ¼ | Section Number: 20 | Township Number: T 8 S | Range Number: R 39 ☐ E ■ W

2 WELL OWNER: Last Name: First:
Business: Goodland Power Plant
Address: 1701 Cherry
Address:
City: Goodland State: KS ZIP: 67735

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: ■
(east side of Arcade Ave)

3 LOCATE WELL WITH "X" IN SECTION BOX:

N
NW | NE
W | E
SW | SE
S
1 mile

4 DEPTH OF COMPLETED WELL: 229 ft.
Depth(s) Groundwater Encountered: 1) ..... ft. 2) ..... ft. 3) ..... ft., or 4) ☐ Dry Well
WELL'S STATIC WATER LEVEL: 203.80 ft.
■ below land surface, measured on (mo-day-yr) 7/13/17
☐ above land surface, measured on (mo-day-yr) .....
Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm
Well water was ..... ft. after ..... hours pumping ..... gpm
Estimated Yield: ..... gpm
Bore Hole Diameter: 8.5 in. to ..... ft. and ..... in. to ..... ft.

5 Latitude: 39.34110 (decimal degrees)
Longitude: 101.70215 (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: .....

6 Elevation: 3674.90 ft. ☐ Ground Level ■ TOC
Source: ■ 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. ■ Monitoring: well ID MW-15
9. Environmental Remediation: well ID ..... ☐ Air Sparge ☐ Soil Vapor Extraction ☐ 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
13. ☐ 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 4 in. to 189 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.
Casing height above land surface 5 in. Weight ..... lbs./ft. Wall thickness or gauge No. Sch 80

TYPE OF SCREEN OR PERFORATION MATERIAL:
☐ Steel ☐ Stainless Steel ☐ Fiberglass ■ PVC ☐ Other (Specify) .....
☐ Brass ☐ Galvanized Steel ☐ Concrete tile ☐ None used (open hole)

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 189 ft. to 229 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 183 ft. to 229 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☐ Bentonite ☐ Other .....
Grout Intervals: From 1 ft. to 183 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? ..... Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Gravel	144	158	Sandy clay with caliche
0.5	20	Silt with sand	158	173	Sandy with clay
20	34	Clay silt	173	188	Sandy clay with clay and caliche
34	58	Clayey silt and caliche	188	194	Clay and caliche with sandy clay
58	86	Sand	194	214	Sand with caliche, gravel and clay
86	102	Clay and caliche with sandy clay	214	230	Clay and caliche with sand
102	114	Sand with clay and caliche			
114	124	Clay and caliche with sandy clay			
124	144	sand with gravel, clay and caliche			

Notes: Goodland Power Plant site; KDHE project code: U8-091-00682

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) 7/12/17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 881 This Water Well Record was completed on (mo-day-year) 7/24/17 under the business name of Wooter Pump & Well Signature [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.

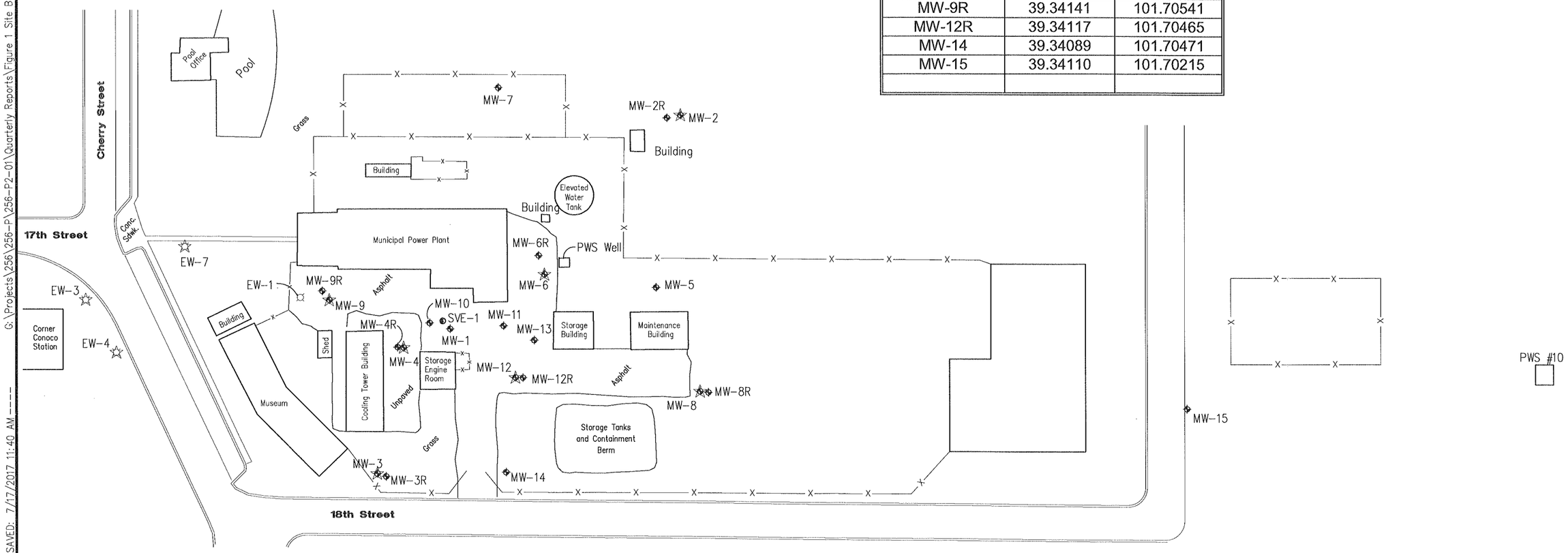
Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 Revised 7/10/2015

NOTE:
WELLS MW-2, MW-3, MW-4, MW-6, MW-8, MW-9, AND MW-12 WERE PLUGGED ON JULY 13, 2017

LEGEND

- = Monitor Well
- = Plugged Well
- = SVE Well
- = Well for Conoco Site
- —X— = Fence line

Well ID	Latitude	Longitude
MW-2R	39.34193	101.70412
MW-3R	39.34088	101.70516
MW-4R	39.34125	101.70512
MW-6R	39.34152	101.70459
MW-8R	39.34113	101.70395
MW-9R	39.34141	101.70541
MW-12R	39.34117	101.70465
MW-14	39.34089	101.70471
MW-15	39.34110	101.70215



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JUL 31 2017
BUREAU OF WATER

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0 55 110
SCALE IN FEET

REVISIONS	BY

MILCO
Environmental Services, Inc.
Kearney, NE (308) 237-5923
McCook, NE (308) 345-4741
Colby, KS (785) 460-1956

GOODLAND POWER PLANT
SITE BASE MAP
GOODLAND, KANSAS - U6-091-682

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SCALE: AS SHOWN	
PROJECT NO. M256-P2-01	
DATE: JULY, 2017	
FIELD BOOK	M&A DWG NO.
DRAWN BY: BSF	APRV'D BY:
SHEET **FIGURE 1**	

PLOTTED: 7/17/2017 12:54 PM SAVED: 7/17/2017 11:40 AM G:\Projects\256\256-P\256-P2-01\Quarterly Reports\Figure 1 Site Base Map.dwg