WATER WELL RECORD Form WWC-5

1250667

Division of Water Resources App. No. 48989;49237;4

Well ID

☑ Original Record ☐ Correction ☐ Change in Well Use

1 LOCATION OF WATER WELL: County: Norton | Fraction: SE¼ SW¼ SE¼ SW¼ | Section Number: 33 | Township Number: T 3 S | Range Number: R 23 ☐ E ☑ W

2 WELL OWNER: Last Name: First:
Business: Harting Ranch
Address: 18811 US Hwy 283
Address:
City: Norton State: KS ZIP: 67654-5632

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: ☐
intersection of W2 & Rd S Battery of 3--#1 South well

3 LOCATE WELL WITH "X" IN SECTION BOX:

N / W / E / S; - - NW - - - - NE - - - - SW - - - - SE - - ; X

|----------1 mile---------|

4 DEPTH OF COMPLETED WELL: 330 ft.
Depth(s) Groundwater Encountered: 1) 161 ft. 2) ……. ft. 3) ……. ft., or 4) ☐ Dry Well
WELL'S STATIC WATER LEVEL: 161 ft.
☑ below land surface, measured on (mo-day-yr) 06/03/2015
☐ 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: 300 gpm
Bore Hole Diameter: 20 in. to 330 ft. and …… in. to ……. ft.

5 Latitude: 39.7407 (decimal degrees)
Longitude: 99.9210 (decimal degrees)
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: 2474 ft. ☑ Ground Level ☐ TOC
Source: ☐ Land Survey ☐ GPS ☐ Topographic Map ☑ Other KOLAR

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 ……
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 10 in. to 181 ft., Diameter …… in. to …… ft., Diameter …… in. to …… ft.
Casing height above land surface 18 in. Weight 7.8 lbs./ft. Wall thickness or gauge No. 365

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 181 ft. to 261 ft., From …… ft. to …… ft., From …… ft. to …… ft.
GRAVEL PACK INTERVALS: From 20 ft. to 261 ft., From …… ft. to …… ft., From …… ft. to …… ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other ……
Grout Intervals: From 0 ft. to 20 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
Attached	Attached	Attached			
			Notes:		

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) 06/01/2015 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) 06/17/2015 under the business name of Woofter Pump and Well, Inc.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.
KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.
Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212

Form	WWC5
Contractor	Woofter Pump and Well, Inc.
Well Owner	
Doc ID	1250667

Litholgy

From	To	LithologicLog
0	2	surface
2	20	loess
20	33	clay & caliche w/sand lenses
33	40	fine & med sand w/clay & caliche strks
40	48	clay & caliche w/sandy clay strks
48	57	fine sand w/clay & caliche strks
57	73	sandy clay w/clay & caliche strks
73	109	sandstone & fine sand w/clay & caliche
109	113	caliche & clay w/sandy clay strks
113	144	sandy clay w/clay & caliche strks
144	153	fine sand & sandy clay mix w.clay & caliche lenses
153	162	clay & caliche w/sandy clay strks
162	185	fine sand & sandy clay mix w/clay & caliche strks
185	203	clay & caliche w/sandy clay strks
203	211	fine sand w/clay & caliche lenses
211	237	clay & caliche w/sandy clay strks

Form	WWC5
Contractor	Woofter Pump and Well, Inc.
Well Owner	
Doc ID	1250667

Litholgy

From	To	LithologicLog
237	250	fine sand w/clay & caliche strks
250	264	clay & caliche w/sandy clay strks
264	270	fine to some med sand w/clay & caliche strks
270	287	clay & caliche w/sandy clay strks
287	300	fine sand & sandy cly mix w/clay & caliche strks
300	323	fine to some med sand w/clay & caliche lenses
323	337	clay & caliche w/fine sand strks
337	340	black shale