WATER WELL PLUGGING RECORD Form WWC-5P KSA 82a-1212 ID NO.

1 LOCATION OF WATER WELL: County: Cloud	Fraction: (NE) ¼ ¼ ¼	Section Number: 21	Township Number: T 5 S	Range Number: 3 ☐ E ☒ W

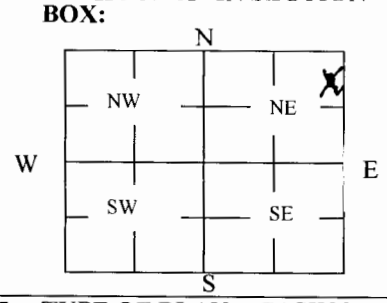
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☒

2087 N. 150th

Global Positioning Systems (GPS) information:
Latitude: _____ (in decimal degrees)
Longitude: _____ (in decimal degrees)
Elevation: _____
Datum: ☐ WGS84, ☐ NAD83, ☐ NAD27
Collection Method:
☐ GPS unit (Make/Model: _____)
☐ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ < 3 m, ☐ 3-5 m, ☐ 5-15 m, ☐ > 15 m

2 WATER WELL OWNER: Matthew Carder
RR#, St. Address, Box #: 2087 N 150th Rd
City, State ZIP Code: Concordia, Ks 66901

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF WELL 30 ft.
WELL'S STATIC WATER LEVEL 29.8 ft
WELL WAS USED AS:

☒ Domestic	☐ Public Water Supply	☐ Dewatering	
☐ Irrigation	☐ Oil Field Water Supply	☐ Monitoring	
☐ Feedlot	☐ Domestic (Lawn & Garden)	☐ Injection Well	
☐ Industrial	☐ Air Conditioning	☐ Other _____	

Was a chemical/bacteriological sample submitted to Department? Yes ☐ No ☐

5 TYPE OF BLANK CASING USED:

☐ Steel	☐ RMP (SR)	☐ Wrought	☐ Fiberglass	☐ Other (Specify below)
☒ PVC	☐ ABS	☐ Asbestos-Cement	☐ Concrete Tile	

Blank casing diameter 6 in. Was casing pulled? Yes ☐ No ☒ If yes, how much _____
Casing height above or below land surface 6 in in.

6 GROUT PLUG MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☐ Other _____

Grout Plug Intervals: From _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

What is the nearest source of possible contamination:

☐ Septic tank	☐ Seepage pit	☐ Fuel storage	☐ Other (specify below)
☐ Sewer lines	☐ Pit privy	☐ Fertilizer storage	
☐ Watertight sewer lines	☐ Sewage lagoon	☐ Insecticide storage	
☒ Lateral lines	☐ Feedyard	☐ Abandoned water well	Direction from old well? WEST - 20 - 30ft
☐ Cess pool	☐ Livestock pens	☐ Oil well/Gas well	How many feet? _____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
30	28	Gravel (sand) + Clorine			
28	26.5	bentonite			
26.5	4ft	soil - loam			
4ft	2	bentonite			
2	0	Soil loam			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 8/15/17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. _____. This Water Well Record was completed on (mo/day/year) _____ under the business name of Hay Creek LLC by (signature) _____

INSTRUCTIONS: Use typewriter or ballpoint pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5524. Send one to Water Well Owner and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html.

NPS POLLUTION CONTROL FUNDS
ABANDONED WATER WELL COST-SHARE PROGRAM
(WELL PLUGGING WORKSHEET)

WORKSHEET: (Use water quality bulletin to complete this worksheet, available through Cooperative Extension Service)

Name: MATT CARDER County: CLOUD Date: August 16, 2017

Type of Well: Drilled: X Hand dug: ____

Diameter (Inside): 6 in Diameter (Outside): 7 in Depth to Water: 29.8 Total Depth: 30 ft

TOP SOIL: 3 ft

TOP SOIL NEEDED:

0.27 cu.ft/ft x 3 ft = 0.8 cu.ft

0.8 cu.ft x 1 cu.yd/27 cu.ft = **0.0** cu.yds

BENTONITE PLUG: 1.5 ft

BENTONITE NEEDED:

PLUG: 0.27 cu.ft/ft x 1.5 ft. = 0.4 cu.ft

GROUT SEAL RESTORATION: 0.0 cu.ft

0.4 cu.ft x 1 bag/0.7 cu.ft = **0.6** bags

SUBSOIL: 25.3 ft

SUBSOIL NEEDED:

0.20 cu.ft/ft x 25.3 ft = 5.0 cu.ft

5.0 cu.ft x 1 cu.yd/27 cu.ft = **0.2** cu.yds

SAND (to water level): 0.2 ft

SAND NEEDED:

0.20 cu.ft/ft x 0.2 ft = 0.0 cu.ft

0.0 cu.ft x 1 cu.yd/27 cu.ft = **0.0** cu.yds

CHLORINE NEEDED - Liquid (5.25%):

1.79 oz/ft x 0.2 ft = 0.4 oz

0.4 oz x 1 gal/128 oz = **0.0** gal

SITE PREPARATION: REMOVE PUMP AND COLUMN PIPE AND DEBRIS. EXCAVATE AROUND DRILLED WELL CASING AND CUT CASING 3 FEET BELOW GROUND LEVEL. STOCKPILE FILL MATERIAL ON SITE. LEAVE IN TRUCK IF POSSIBLE. HANDDUG WELLS NEED TRACTOR WITH FRONT END LOAD OR LARGE PRY BARS TO CAVE IN ROCK LINING.