

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

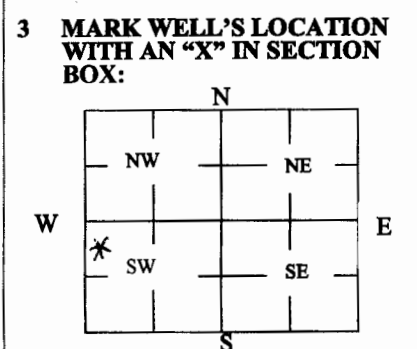
1 LOCATION OF WATER WELL: Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ SW $\frac{1}{4}$ Section Number 26 Township Number 26T 15S Range Number 3 E W
 County: DICKINSON

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here 1/4 mile NORTH of K43 and 800 Ave, East side of road

Global Positioning Systems (GPS) information:
 Latitude: 38° 42' 59.72 (in decimal degrees)
 Longitude: -97° 4' 29.33 (in decimal degrees)
 Elevation: 1140 FE
 Datum: WGS84, NAD83, NAD27
 Collection Method:

2 WATER WELL OWNER: KUHN FAMILY FARM
 RR#, St. Address, Box #: 7005 N. TOBE LANE
 City, State ZIP Code: PEORIA, IL 61614

GPS unit (Make/Model: _____)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, > 15 m



4 DEPTH OF WELL 61 ft.
WELL'S STATIC WATER LEVEL 38 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 STACKED LIMESTONE
 Blank casing diameter 36 in. Was casing pulled? Yes No If yes, how much 3 feet
 Casing height above or below land surface 36 in.

6 GROUT PLUG MATERIAL: Neat cement Cement grout Bentonite Other _____
 Grout Plug Intervals: From 4.5 ft. to 5 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 well? _____
 Cess pool Livestock pens Oil well/Gas well How many feet? _____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
<u>0</u>	<u>4.5</u>	<u>TOPSOIL</u>			
<u>4.5</u>	<u>5.0</u>	<u>BENTONITE PLUG</u>			
<u>5</u>	<u>38</u>	<u>SUBSOIL</u>			
<u>38</u>	<u>61</u>	<u>SAND</u>			
		<u>21 gallons CHLORINE</u>			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 12/12/2016 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. N/A. This Water Well Record was completed on (mo/day/year) 12/15/2016 under the business name of MORGAN CREEK FARMS by (signature) [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 FUND
ABANDONED WATER WELL COST-SHARE PROGRAM
WELL PLUGGING WORKSHEET**

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

Name: Kuhn Family Farms County: Dickinson Date: 11/17/2016
 Type of Well: Water Drilled _____ or Hand-dug X
 Diameter: 36 inches Depth to Water: 38 ft. Total Depth: 61 ft.
3 Feet

<p>TOPSOIL: 3 ft. Drilled → 4.5 ft. Hand-dug</p> <p>PLUG: 3 ft. Drilled → 6 in. Hand-dug</p> <p>SUBSOIL FILL: <u>33</u> ft. →</p> <p>WATER LEVEL: <u>23</u> ft. →</p>		<p>TOP SOIL $\frac{7.07 \text{ cu. ft.} \times 4.5 \text{ ft. of fill} = 31.82 \text{ cu. ft.}}{27} = 1.18 \text{ cu. yd.}$</p> <p>PLUG: $\frac{19.64 \text{ cu. ft.} \times 0.5 \text{ ft. of plug} = 9.82 \text{ cu. ft.}}{0.7} = 14.03 \text{ 50\# bags of bentonite}$ <u>2</u> ft. outside hand-dug well to restore grout seal.</p> <p>SUBSOIL: $\frac{7.07 \text{ cu. ft.} \times 33 \text{ ft. of plug} = 233.31 \text{ cu. ft.}}{27} = 8.64 \text{ c.y. of subsoil fill}$</p> <p>CHLORINE: $\frac{115.02 \text{ oz./ft.} \times 23 \text{ ft. of water will} = 2645.46}{128} = 20.67 \text{ gal.}$</p> <p>SAND: $\frac{7.07 \text{ cu. ft.} \times 23 \text{ ft. of sand} = 162.61 \text{ cu. ft.}}{27} = 6.02 \text{ cu.yds. of sand}$</p>
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Site preparation: Remove pump, column pipe and debris. Excavate around 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 loader or large pry bars to cave in rock lining.

** 27 cu. ft.= 1 yard
 ** 128 oz./gal.