

1	LOCATION OF WATER WELL: County: <u>LYON</u>	Fraction <u>NW</u> 1/4 1/4 1/4	Section Number <u>24-19-11E</u>	Township Number	Range Number
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Distance and direction from nearest town or city street address of well if located within city?
1261 Rd 160 EMPORIA KS 66801

2 WATER WELL OWNER: Russell Beck, ~~1261 Road 160 EMPORIA KS~~
66801 1259 Rd 160D
RR#, St. Address, Box #: Board of Agriculture, Division of Water Resources
City, State, ZIP Code : Application Number:

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

	N	W		N	E
W					E
	S	W		S	E

S

4 DEPTH OF WELL.....ft. 30
WELL'S STATIC WATER LEVEL.....ft. 11
WELL WAS USED AS:
1 Domestic 5 Public Water Supply 9 Dewatering
2 Irrigation 6 Oil Field Water Supply 10 Monitoring Well
3 Feedlot 7 Lawn and Garden Only 11 Injection Well
4 Industrial 8 Air Conditioning 12 Other.....
Was a chemical/bacteriological sample submitted to Department? Yes...(No)...
If yes, mo/day/yr sample was submitted.....
Water Well Disinfected: Yes.....(No).....

5 TYPE OF BLANK CASING USED:
1 Steel 3 RMP (SR) 5 Wrought no casing 7 Fiberglass 9 Other (specify below)
2 PVC 4 ABS 6 Asbestos-Cement 8 Concrete Tilehand-dug well.....
Blank casing diameter.....in. Was casing pulled? Yes..... No..... If yes, how much.....concrete on top
Casing height above or below land surface.....in.

6 GROUT PLUG MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other.....
Grout Plug Intervals: From.....ft. to.....ft., From.....ft. to.....ft., From..... to.....ft.
What is the nearest source of possible contamination:
1 Septic tank 6 Seepage pit 11 Fuel storage 16 Other (specify below)
2 Sewer lines 7 Pit privy 12 Fertilizer storage
3 Watertight sewer lines 8 Sewage lagoon 13 Insecticide storage
4 Lateral lines 9 Feedyard 14 Abandoned water well
5 Cess Pool 10 Livestock pens 15 Oil well/Gas well
Direction from well? How many feet?

FROM	TO	PLUGGING MATERIALS
<u>29'</u>	<u>17'</u>	<u>Gravel</u>
<u>17'</u>	<u>7'</u>	<u>9 gal Chlorine</u>
<u>"</u>	<u>"</u>	<u>2.5 cu yd sub soil</u>
<u>7'</u>	<u>3'</u>	<u>10 Bass Bentonite</u>
<u>7'</u>	<u>3'</u>	<u>6.5 cu ft clay</u>
<u>3'</u>	<u>top</u>	<u>2.5 cu yd top soil</u>

Original Returned to Sender
for Correction Date: 10/20/10

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 10-12-10..... 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 by (signature) Russell Beck.....

INSTRUCTIONS: Use typewriter or ball point pen. Please press firmly and print clearly. Please fill in blanks, underline or circle the correct answers. Send three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913/296-3565. Send one to Water Well Owner and retain one for your records.

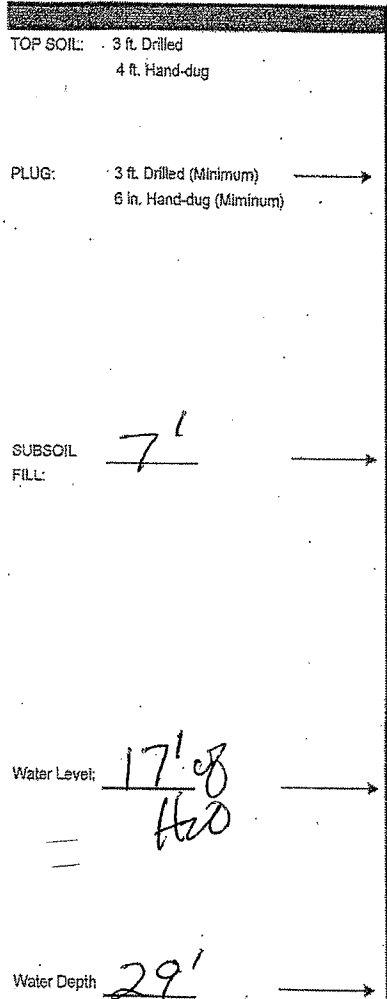
NPS POLLUTION CONTROL FUNDS
 ABANDONED WATER WELL COST-SHARE PROGRAM
 (WELL PLUGGING WORKSHEET)

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

Name: Russell Beck County Lyons Date 7/1/10

Type of Well: Drilled or Hand-Dug

Diameter (Inside) 3 1/2 (Outside) 4 1/2 Depth to water 12' Total Depth: ~~29'~~ 29'



TOP SOIL: Material Needed **
 $\frac{13 \text{ cu. ft.} \times 4 \frac{1}{2} \text{ ft. of fill}}{27} = \frac{59}{27} \text{ cu. ft.}$
 $\frac{59}{27} = 2.185 \text{ cu. yd. top soil}$

PLUG: $\frac{13 \text{ cu. ft.} \times .5 \text{ ft. of plug}}{\text{ft.}} = \frac{6.5}{\text{ft.}} \text{ cu. ft. plug}$
 $\frac{6.5}{0.7} = 9.285 = 10 \text{ bags of bentonite}$

Note: Hand dug well, use diameter of well after removal of rock lining.

SUBSOIL: $\frac{55 \text{ cu. ft.} \times 7 \text{ ft. of fill}}{27} = \frac{53}{27} \text{ cu. ft.}$
 $\frac{53}{27} = 2.25 \text{ cu. yd. subsoil}$

CHLORINE: $\frac{67 \text{ oz./ft.} \times 17 \text{ ft. of water}}{128} = \frac{1139}{128} \text{ oz.}$
 $\frac{1139}{128} = 8.898 = 9 \text{ gal. chlorine}$

SAND: $\frac{7.5 \text{ cu. ft./ft.} \times 17 \text{ ft. of sand}}{27} = \frac{128}{27} \text{ cu. ft.}$
 $\frac{128}{27} = 4.74 = 5 \text{ cu. yd. of gravel}$

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

*Obtain cu. ft./ft. value from Extension Bulletin "Plugging Abandoned Wells.xls"