

County: Lyon Fraction: S2, NW, SW, SE Sec. 20 T. 16 S R. 12 E

CORRECTION(S) to WATER WELL COMPLETION RECORD Form WWC-5 (to rectify lacking or incorrect information)

Owner: Admire Methodist Church South Well 23 ft depth

If location corrected, was listed as:

Section-Township-Range: not reported

Fraction (1/4 calls): not reported

Location changed to:

20-16S-12E

S2, NW, SW, SE

Other changes: Initial statements: Diameter not reported. Rock & brick casing reported but not whether any was removed.

Changed to: 36-inch diameter. Top 5-ft of rock casing removed.

Comments: Lat/Long coordinates were obtained from Google Earth (WGS84) based on "X" placed on air photo attached to the WWC-5P Form. Lat. 38.639266 deg N; Long. -96.105444 deg W

Verification method: Used USDA NRCS info attached to WWC-5P form, and confirmed with the Emporia KS office staff and John D. Orear.

Initials: PKC Date: 3/30/2021

Submitted by: ☐ Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3724
☒ Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

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

1 LOCATION OF WATER WELL: County: _____		Fraction <div style="display: flex; justify-content: space-around;">1/41/41/41/4</div>		Section Number _____	Township Number T _____ S _____	Range Number _____ E _____ W _____																																																
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input checked="" type="checkbox"/>				Global Positioning Systems (GPS) information: Latitude: _____ (in decimal degrees) Longitude: _____ (in decimal degrees) Elevation: _____ Horizontal Datum: <input type="checkbox"/> WGS84, <input type="checkbox"/> NAD83, <input type="checkbox"/> NAD27 Collection Method: _____																																																		
				GPS unit (Make/Model): _____ <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> < 3 m. <input type="checkbox"/> 3-5 m. <input type="checkbox"/> 5-15 m. <input type="checkbox"/> > 15 m																																																		
2 WATER WELL OWNER: <i>Admire Methodist Church</i> RR#, St. Address, Box #: <i>505 Market</i> City, State ZIP Code: <i>Admire, KS 66830</i>																																																						
3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX: <div style="text-align: center;"> N <table border="1" style="margin: auto; border-collapse: collapse;"> <tr><td style="width: 20px;">NW</td><td style="width: 20px;"></td><td style="width: 20px;">NE</td></tr> <tr><td style="width: 20px;">SW</td><td style="width: 20px;"></td><td style="width: 20px;">SE</td></tr> </table> W E S </div>		NW		NE	SW		SE	4 DEPTH OF WELL <u>23.0</u> ft. WELL'S STATIC WATER LEVEL <u>5.0</u> ft. WELL WAS USED AS: <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Feedlot <input type="checkbox"/> Industrial </div> <div> <input type="checkbox"/> Public Water Supply <input type="checkbox"/> Oil Field Water Supply <input type="checkbox"/> Domestic (Lawn & Garden) <input type="checkbox"/> Air Conditioning </div> <div> <input type="checkbox"/> Dewatering <input type="checkbox"/> Monitoring <input type="checkbox"/> Injection Well <input type="checkbox"/> Other _____ </div> </div> Was a chemical/bacteriological sample submitted to Department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																														
NW		NE																																																				
SW		SE																																																				
5 TYPE OF BLANK CASING USED: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Steel <input type="checkbox"/> PVC </div> <div> <input type="checkbox"/> RMP (SR) <input type="checkbox"/> ABS </div> <div> <input type="checkbox"/> Wrought <input type="checkbox"/> Asbestos-Cement </div> <div> <input type="checkbox"/> Fiberglass <input type="checkbox"/> Concrete Tile </div> <div> <input checked="" type="checkbox"/> Other (Specify below) <i>hand laid rock & brick</i> </div> </div> Blank casing diameter _____ in. Was casing pulled? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, how much _____ Casing height above or below land surface _____ in.																																																						
6 GROUT PLUG MATERIAL: <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other _____ Grout Plug Intervals: From <u>4.5</u> ft. to <u>5.0</u> ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft. What is the nearest source of possible contamination: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Septic tank <input type="checkbox"/> Sewer lines <input checked="" type="checkbox"/> Watertight sewer lines <input type="checkbox"/> Lateral lines <input type="checkbox"/> Cess pool </div> <div> <input type="checkbox"/> Seepage pit <input type="checkbox"/> Pit privy <input type="checkbox"/> Sewage lagoon <input type="checkbox"/> Feedyard <input type="checkbox"/> Livestock pens </div> <div> <input type="checkbox"/> Fuel storage <input type="checkbox"/> Fertilizer storage <input type="checkbox"/> Insecticide storage <input checked="" type="checkbox"/> Abandoned water well <input type="checkbox"/> Oil well/Gas well </div> <div> <input type="checkbox"/> Other (specify below) Direction from well? <u>ESE</u> How many feet? <u>100'</u> </div> </div> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>FROM</th><th>TO</th><th>PLUGGING MATERIALS</th><th>FROM</th><th>TO</th><th>PLUGGING MATERIALS</th></tr> </thead> <tbody> <tr> <td>5'</td><td>23'</td><td>sand</td><td></td><td></td><td></td></tr> <tr> <td>4.5'</td><td>5</td><td>bentonite</td><td></td><td></td><td></td></tr> <tr> <td>1'</td><td>4.5</td><td>fatty clay / top soil mix</td><td></td><td></td><td></td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>							FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS	5'	23'	sand				4.5'	5	bentonite				1'	4.5	fatty clay / top soil mix																											
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo day year) _____ 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 <u>Orear Const. L.L.C.</u> by (signature) <u>John D. Orear</u>																																																						
Send one white copy to Kansas Department of Health & Environment, Geology Section, 1000 SW Jackson Street, Ste. 420, Topeka, KS 66612-1367. Send one copy to WATER WELL OWNER and retain one for your records. Visit us at http://www.kdheks.gov/waterwell/index.html Telephone 785-296-5524.																																																						

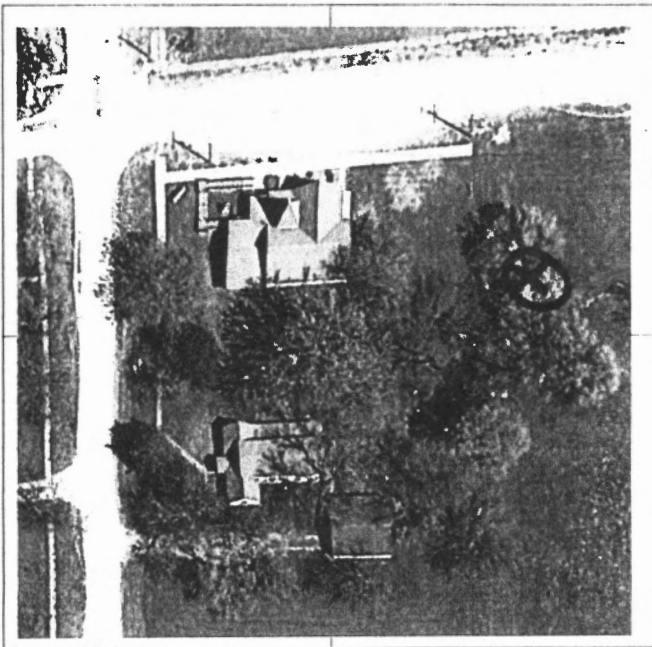
USDA
NRCS

Well Decommissioning - 351

KS-1 NCS-SP
2-10

Name Admire Methodist Church
Ident. No. Well #1
Legal Desc. 505 Market Admire, KS 66830
County Lyon Co.
One-Call No. 811

Before any investigation or construction activity, the excavator is responsible for calling Kansas One-Call at 800-344-7233 (800-DIG-SAFE) or 811.



Location Map Scale 1" = NTS

Designed by G. Edwards Date 5/12/2020
Checked by _____ Date _____
Approved by _____ Date _____

I certify that this installed practice meets NRC's standards and specifications and conforms to the approved drawings.

Checkout by _____ Date _____
Audited by _____ Date _____

Table of Quantities

Item	Unit	Planned or Designed Quantity	Installed Quantity
Total Well Depth	lin. ft.	23	
Diameter Plugged	inches	36	
Well Section 1 Top	feet	10	
Well Section 1 Bottom	feet	4.5	
Fill Material (Soil)	cu. ft.	56.5	
Well Section 2 Well Plug	feet	4.5	
Well Section 2 Bottom	feet	5	
KDHE Approved Bentonite or Cement Grout	cu. ft.	6.3	
Well Section 3 Subsoil	feet	5	
Well Section 3 Bottom	feet	5	
Fill Material: Native Clay Soils	cu. ft.		
Well Section 4: Fill Below the Static Waterline	feet	5	
Fill Material (Sand or Gravel)	feet	23	
Household Bleach Disinfectant (5.25% solution)	gallons	2.5	

Notes:

Hand dug well located south of church

Lat: 38.639266
Long: -96.105444
S. St. Church
HD Well
5 1/2" AW, 9W, SE, Sub
T, 165, R, 165

Department of Health and Environment
Following the completion of the plugging, in accordance with Kansas Administrative Regulations (K.A.R.) 28-30a-201 Use either form WWC-5 or form WWC-5P to record this information

WELL DECOMMISSIONING - 351

(WELL PLUGGING WORKSHEET "Unconfined Aquifer")

NAME: Admire Methodist Church
 LEGAL: 505 Market Admire, KS 66830
 COUNTY: Lyon
 IDENT #: Well #1

Design By: G. Edwards
 Check By: _____

Date: 5/12/2020
 Date: _____

Type of Well ☐ Drilled ☒ Hand Dug

Diameter (Inside inches) 36 (Outside inches) 48 Depth to water: 5.0 ft. Total Depth: 23.0 ft.

From 4.5 feet below the ground surface to the ground surface, the plugged well be covered with compacted silt, clay soils or surface soils.

Ground

4.5 ft.

$$12.57 \text{ cu.ft./ft.} \times 4.5 \text{ ft. of fill} = 56.6 \text{ cu.ft.}$$

$$56.56 \text{ cu.ft.} / 27 = 2.09 \text{ cu. yds.}$$

4.5 ft.

PLUG

Place a minimum 0.5-foot thick plug using approved cement or bentonite grout. Diameter of plug is after removal of rock lining.

0.5 ft.

PLUG

$$12.57 \text{ cu.ft./ft} \times 0.5 \text{ ft. of plug} = 6.3 \text{ cu. ft.}$$

$$6.28 \text{ cu.ft.} \times 1.36 \text{ bag per cu.ft.} = 9$$

Bags of Bentonite*

5.0 ft.

SUBSOIL

From the static water level to 5 feet below the ground surface, the well shall be filled with compacted clay or an approved grout.

0.0 ft.

$$7.07 \text{ cu.ft./ft} \times 0 \text{ ft. of fill} = 0.0 \text{ cu.ft.}$$

$$0.0 \text{ cu.ft.} / 27 = 0.0 \text{ cu. yds.}$$

Static Water Level

5.0 ft.

Household chlorine bleach at 5.25 percent concentration of chlorine can be used in a ratio of 1 gallon bleach per 500 gallons of water.

CHLORINE: (at 5.25%)

$$52.88 \text{ gal./ft.} \times 18 \text{ ft. water} = 951.8 \text{ gallons of } \chi$$

$$951.8 / 500 = 2.0 \text{ gallons of } \chi$$

$$2.00 \text{ gal.} \times 128 = 256 \text{ ounces of } \chi$$

18.0 ft.

SAND

Fill the well with clean sand or gravel up to the Static Water Level

SAND

$$7.07 \text{ cu.ft./ft} \times 18 \text{ ft. of sand} = 127.3 \text{ cu.ft.}$$

$$127.3 \text{ cu.ft.} / 27 = 4.7 \text{ cu. yds.}$$

$$4.71 \text{ cu. yds.} + \text{additional } 30\% = 6.1 \text{ cu. yds.}$$

$$6.1 \text{ cu. Yds} \times 1.5 \text{ tons / cu yds} = 9.2$$

23.0 ft.

Remove pump and column pipe and debris. Knock down the top 5 feet of the well rock lining material and let fall into the well.

* Assumes a 50 lb bag of bentonite chips with a unit weight of 68 lb/cf