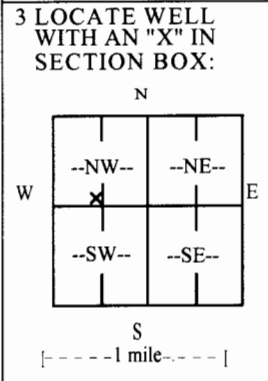


1 LOCATION OF WATER WELL: County: Pawnee	Fraction 1/4 SE 1/4 SW 1/4 NW 1/4	Section Number 21	Township No. T 22 S	Range Number R 17 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here
 Approximately 3 miles north and 2 1/4 miles east of Garfield

Global Positioning System (GPS) information:
 Latitude: **38.12366** (in decimal degrees)
 Longitude: **-99.201373** (in decimal degrees)
 Elevation: **unknown**
 Datum: WGS 84, NAD 83, NAD 27
 Collection Method:
 GPS unit (Make/Model: **WAAS**)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

2 WATER WELL OWNER: **Barger Land & Livestock**
 RR#, Street Address, Box #: **1692 I Rd.**
 City, State, ZIP Code : **Garfield, KS 67529**



4 DEPTH OF COMPLETED WELL **18** ft.
 Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft.
 WELL'S STATIC WATER LEVEL **9.35** ft. below land surface measured on mo/day/yr **8/4/10**
 Pump test data: Well water was **not checked** ft. after _____ hours pumping _____ gpm
 EST. YIELD **unknown** gpm. Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter **6** in. to **20** ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS: Public water supply Geothermal Injection well
 Domestic Feedlot Oil field water supply Dewatering Other (Specify below)
 Irrigation Industrial Domestic-lawn & garden Monitoring well
 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 CASING USED: Steel PVC Other _____
 CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter **2** in. to **6** ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft.
 Casing height above land surface **24** in., Weight **.70** lbs./ft., Wall thickness or gauge No. **.154**
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify) _____
 Brass Galvanized Steel None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From **6** ft. to **16** ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From **5** ft. to **20** ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other _____
 Grout Intervals: From _____ ft. to _____ ft., From **0** ft. to **5** ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well **None known**
 Direction from well _____ Distance from well _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	3	Topsoil			
3	6	Clay, tan, silty, soft			
6	16	Sand, coarse to very fine, with gravel, medium to fine			
16	20	Clay, light gray, hard			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) **8/4/10** and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. **185** This Water Well Record was completed on (mo/day/year) **8/10/10**
 under the business name of **Clarke Well & Equipment, Inc.** by (signature) _____

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

Clarke Well and Equipment, Inc.

WATER RELATED PROJECTS: Environmental - Industrial - Municipal - Agricultural

AIRPORT INDUSTRIAL COMPLEX - 8822 3rd STREET - GREAT BEND, KS 67530-9766

PHONE 620-793-8493 Fax 620-793-8340

COPY

August 10, 2010

Richard Harper
Kansas Department of Health & Environment
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367

Re: Variance Request

Dear Richard:

In accordance with Section 28-30-9 of Article 30 (Appeals) we are requesting a variance for Section 28-30-6-b-1 (Grouting). Specifically, we are requesting a variance for the depth of grout required.

This variance will be for two wells in NW 21-T22S-R17W Pawnee County. These wells are monitor wells for Barger Land & Livestock.

These wells were drilled under the direction of Robert J. Gavin, L.G. from KDHE. The exact depth of screen and grout placement was not known until the wells were drilled.

Sincerely,



Brent Clarke

BMC/dr

copy: File