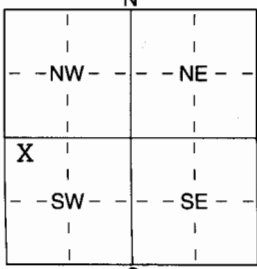


1 LOCATION OF WATER WELL: County: <b>Meade</b>	Fraction <b>NW 1/4 NW 1/4 SW 1/4</b>	Section Number <b>12</b>	Township Number <b>T 30 S</b>	Range Number <b>R 30 E(W)</b>
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Distance and direction from nearest town or city street address of well if located within city?  
**1/4 mile South, 4 mile East, 5 1/2 mile South East to well from Copeland Ks**

2 WATER WELL OWNER: **JoAnne Fleming Estate**  
 RR#, St. Address, Box # : **c/o Rich Fleming**  
 City, State, ZIP Code : **34905 6 Road Copeland, Kansas 67837**  
 Board of Agriculture, Division of Water Resources  
 Application Number: **4013 & 8795**

3 LOCATE WELL'S LOCATION WITHIN SECTION BOX:  
 AN "X" IN SECTION BOX:  
  
 Depth(s) Groundwater Encountered 1 ..... **300** ..... ft. 2 ..... **376** ..... ft. 3 ..... **383** ..... ft.  
 WELL'S STATIC WATER LEVEL ..... **288** ..... ft. below land surface measured on mo/day/yr ..... **Sept. 25, 2009**  
 Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm  
 Est. Yield ..... **1.1-0.0** gpm: Well water was ..... ft. after ..... hours pumping ..... gpm  
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well  
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)  
 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well .....  
 Was a chemical/bacteriological sample submitted to Department? Yes ..... No **x** .....; If yes, mo/day/yrs sample was submitted  
 Water Well Disinfected? Yes **x** No

5 TYPE OF BLANK CASING USED:  
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued **x** & Bolted  
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded  
 7 Fiberglass Threaded  
 Blank casing diameter ..... **1.6** ..... in. to **3.57** ..... ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.  
 Casing height above land surface ..... **1.2** ..... in., weight ..... **SDR26** ..... lbs./ft. Wall thickness or gauge No. ....  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 10 Asbestos-Cement  
 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RMP (SR) 11 Other (Specify) .....  
 9 ABS 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE:  
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes  
 7 Torch cut 10 Other (specify) ..... ft.  
 SCREEN-PERFORATED INTERVALS: From **417 to 397** ft. to **Wirewrap** ft., From **397 to 357** ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From **20-417** ft. to ..... ft., From ..... ft. to ..... ft.  
 From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other .....  
 Grout Intervals: From **20-16** ft. to **Bentonite** ft., From **1.6-0** ft. to **Neat Cement** ft., From ..... ft. to ..... ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well  
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)  
 13 Insecticide storage .....  
 Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	45	Topsoil, clay & little lime	195	210	Sand & 1' clay
45	60	Clay, lime & fine sand	210	243	Sand (little fine)
60	75	Fine sand & clay	243	248	Cemented sand & little sand
75	90	Sand & little cemented sand	248	255	Sand (blue) & little clay (blue)
90	105	Clay, little lime & sand	255	258	Sand (blue)
105	120	Clay, lime (hard) & sand	258	270	Clay (blue) & little lime
120	122	Clay & little fine sand	270	275	Clay & fine sand
122	129	Sand & little cemented sand	275	279	Sand
129	131	Cemented sand (hard)	279	282	Clay
131	135	Sand & little cemented sand	282	283	Lime (very hard)
135	150	Sand & little cemented sand	283	287	Clay
150	169	Sand	287	296	Sand (little fine)
169	171	Clay & little lime	296	300	Clay & little lime
171	195	Sand	300	315	Sand (little fine)

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) ..... **September 25, 2009** ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No ..... **223** ..... This Water Well Record was completed on (mo/day/yr) ... **October 14, 2009** ..... under the business name of **Dunham Drilling Inc.** by (signature) *Karen Dunham*

INSTRUCTIONS: Use typewriter or ball point 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., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

315	369	Sand
369	371	Cemented sand (very hard)
371	373	Cemented sand
373	376	Cemented sand (very hard)
376	378	Sand (little tight)
378	379	Cemented sand (very hard)
379	382	Sand (little tight)
382	383	Cemented sand (very hard)
383	390	Sand (little tight)
390	405	Sand (little tight) (streaks)
405	413	Sand (tight) & clay
413	417	Lime & clay
417	420	Lime (very hard)
420	423	Lime (little hard)
423	435	Lim e (hard) & clay