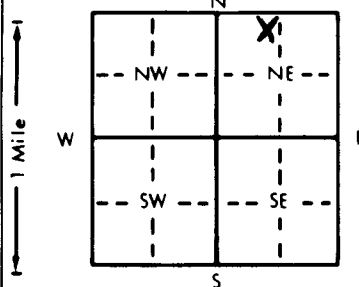


1 LOCATION OF WATER WELL: County: **Coffey** Fraction: **NE 1/4 NW 1/4 NE 1/4** Section Number: **13** Township Number: **T 20 S** Range Number: **R 19 E/W**

Distance and direction from nearest town or city street address of well if located within city? **8 miles N. and 3.3 West of Burlington Ks.**

2 WATER WELL OWNER: **Brad Norton & Mitchel-Markowitz**  
 RR#, St. Address, Box #: **414 Graham** Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: **Emporia, KS 66801** Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: **NE**  
 4 DEPTH OF COMPLETED WELL: **150** ft. ELEVATION: **4 wells All alike**



Depth(s) Groundwater Encountered 1. **NONE** ft. 2. ft. 3. ft.  
 WELL'S STATIC WATER LEVEL **None** ft. below land surface measured on mo/day/yr  
 Pump test data: Well water was ft. after hours pumping gpm  
 Est. Yield **NONE** gpm; Well water was ft. after hours pumping gpm  
 Bore Hole Diameter: **5 1/8** in. to ft., and in. to ft.  
 WELL WATER TO BE USED AS:  
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering  
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well  
 11 Injection well 12 Other (Specify below) **Close Loop Heat Pump**  
 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 iron 8 Concrete tile CASING JOINTS: Glued Clamped  
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded  
 7 Fiberglass Threaded

Blank casing diameter in. to ft., Dia in. to ft., Dia in. to ft.  
 Casing height above land surface in., weight 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)

SCREEN-PERFORATED INTERVALS: From ft. to ft., From ft. to ft., From ft. to ft.  
 GRAVEL PACK INTERVALS: 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 **150** ft. to **0** ft., From ft. to 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	3	broken Limestone	150	0	High Solids Bentonite
3	10	Clay			
10	55	Shale			
55	60	Limestone			All 4 Wells Plugged!
60	100	Shale			
100	107	Limestone			
107	122	Shale			
122	127	Limestone			
127	129	Shale			
129	135	Limestone			
135	145	Shale			
145	150	Limestone			

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) **2-11-98** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **561** This Water Well Record was completed on (mo/day/yr) **2-16-98** under the business name of **CRANS Energy Development, Inc.** by (signature) **[Signature]**

OFFICE USE ONLY  
T  
R  
EW  
SEC  
1/4  
1/4  
1/4