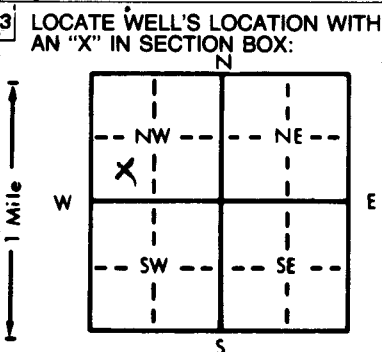


1 LOCATION OF WATER WELL: County: **Johnson** Fraction: **C 1/4 SW 1/4 NW 1/4** Section Number: **20** Township Number: **T 13 S** Range Number: **R 22 EW**

Distance and direction from nearest town or city street address of well if located within city?  
**Four miles south of DeSoto, Ks.** Well # **DG-4**

2 WATER WELL OWNER: **Koch Sulfur Products Co. Environmental Baseline Study**  
 RR#, St. Address, Box #: **Sunflower Army Ammunition** Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: **DeSoto, Kansas** Application Number:



4 DEPTH OF COMPLETED WELL: **156** ft. ELEVATION: **892.9' (MSL)**  
 Depth(s) Groundwater Encountered 1. **122** ft. 2. \_\_\_\_\_ ft. 3. \_\_\_\_\_ ft.  
 WELL'S STATIC WATER LEVEL **122** ft. below land surface measured on mo/day/yr **7-8-88**  
 Pump test data: Well water was \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
 Est. Yield **1** gpm: Well water was \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
 Bore Hole Diameter **8** in. to **156** ft., and \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 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 ~~10~~ Other (Specify below)  
 2 Irrigation 4 Industrial 7 Lawn and garden only **10** Observation well **Monitor**  
 Was a chemical/bacteriological sample submitted to Department? Yes \_\_\_\_\_ No **X**; If yes, mo/day/yr 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 \_\_\_\_\_ Clamped \_\_\_\_\_  
**2** PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded \_\_\_\_\_  
 7 Fiberglass Threaded **X**  
 Blank casing diameter \_\_\_\_\_ in. to **146** ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 Casing height above land surface **12** in., weight \_\_\_\_\_ lbs./ft. Wall thickness or gauge No. \_\_\_\_\_  
 TYPE OF SCREEN OR PERFORATION MATERIAL: **3** PVC 10 Asbestos-cement  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) \_\_\_\_\_  
 2 Brass 4 Galvanized steel 6 Concrete tile 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 **146** ft. to **156** ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 GRAVEL PACK INTERVALS: From **27** ft. to **156** 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 **0** ft. to **20** ft., From **20** ft. to **27** 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)  
 \_\_\_\_\_ **Sulfur**  
 Direction from well? **A 11** How many feet? \_\_\_\_\_

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	1	Top Soil	102	104	Shale, gray
1	3	Clay, brown	104	124	Limestone & shale water @ 120'
3	4	Limestone, brown, fossiliferous	124	126	Limestone
4	13	Clay, rusty brown, slightly gravelly. Less rusty w/depth.	126	153	Shale, gray
		Tight clay	153	156	Limestone, gray fossiliferous
13	15	Limestone, gray, crystalline			
15	21	Shale, dark, soft, some firm			
21	23	Limestone			
23	68	Alternating layers of limestone, (gray & dk. gray) and shale (gray, firm)			
68	76	Shale, dark			
76	102	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) **7-28-88** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **338**. This Water Well Record was completed on (mo/day/yr) **6-21-89** under the business name of **Jayhawk Drilling** by (signature) **Thomas F. Moylan**

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.