

CORRECTION TO WATER WELL RECORD (WWC-5)

The following correction(s) was made to the attached WWC-5 log, in order to file the item or to rectify lacking or incorrect information.

Fraction (1/4 1/4 1/4) Section-Township-Range changed:

listed as SE SW SE 23 23s 32w

changed to SE SW SE 23-32s 31w

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Plains SW 7.5; Liberal NE 7.5; Liberal 7.5

initials: SJ date: 5/4/99

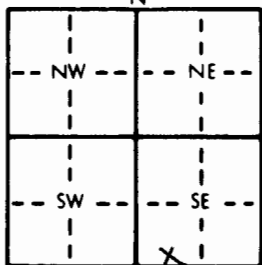
submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment Bureau of Water Industrial Programs, Bldg 283, Forbes Field, KS 66620

MWB

1 LOCATION OF WATER WELL: County: **SEWARD** Fraction: **SE 1/4 SW 1/4 SE 1/4** Section Number: **23** Township Number: **T 23 S** Range Number: **R 32 EW**

Distance and direction from nearest town or city street address of well if located within city?
14 mi NE of Liberal KS

2 WATER WELL OWNER: **DUKE ENERGY**
 RR#, St. Address, Box #: **HELIX PLANT**
 City, State, ZIP Code: **SEWARD County, KS**
 Board of Agriculture, Division of Water Resources
 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

 4 DEPTH OF COMPLETED WELL: **33.5** ft. ELEVATION: **2577**
 Depth(s) Groundwater Encountered 1. **28** ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL **26** ft. below land surface measured on mo/day/yr **10/25/98**
 Pump test data: Well water was ft. after hours pumping gpm
 Est. Yield gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter **7** in. to **34** 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 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only **10** Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes No **X**; 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 **2** in. to **28** ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface **2.75** in., weight lbs./ft. Wall thickness or gauge No. **Sch. 40**
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify)
 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 **28** ft. to **33** ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From **26** ft. to **34** 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 **Cement-Bentonite Grout**
 Grout Intervals: From **0** ft. to **26** 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	4	Silty Sand (SM)			
4	6	Poorly Graded Sand (SP)			
6	7	Lean Clay (CL)			
7	9	Silt (ML) and Silty Sand (SM)			
9	11	Poorly Graded Sand (SP)			
11	14	Silty Sand (SM)			
14	18	Silt (ML)			
18	21	Silty Sand (SM)			
21	28	Lean Clay (CL)			
28	30	Silty Sand (SM)			
30	34	Poorly Graded Sand (SP)			

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) **10-25-95** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **329** This Water Well Record was completed on (mo/day/yr) **2/18/99** under the business name of **WOODWARD-CLYDE** by (signature) **Robert H. Mohaly**

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, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.