EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

EB 39 C

DRILLER'S LOG AND WELL RECORD FIELD SHEET

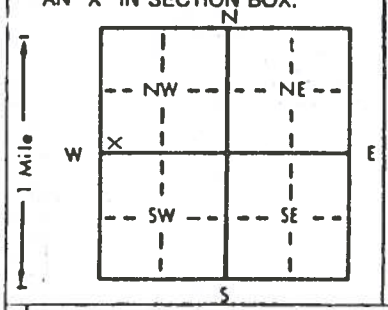
LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Harvey	SW ¼ SW ¼ NW ¼	30	T 22 S	R 3 E/W

Distance and direction from nearest town or city street address of well if located within city?
5½ miles north and 2 miles west of Burrton intersection (US 50 & Mac Rd.)

2 WATER WELL OWNER: GMD-KCC
RR#, St. Address, Box # : 313 Spruce St.
City, State, ZIP Code : Halstead, Kansas 67056

Board of Agriculture, Division of Water Resource
Application Number: n/a

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



4 DEPTH OF COMPLETED WELL 212 ft. ELEVATION: 1445

Depth(s) Groundwater Encountered 1. ..... ft. 2. ..... ft. 3. ..... ft.

WELL'S STATIC WATER LEVEL ..... ft. below land surface measured on mo/day/yr .....

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 5 in. to 212 ft., and ..... in. to ..... ft.

WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering (10 Observation well) 11 Injection well 12 Other (Specify below) .....

Was a chemical/bacteriological sample submitted to Department? Yes ..... No X ; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes ..... No X

5 TYPE OF BLANK CASING USED: (1 Steel) 0-10' 3 RMP (SR) 5 Wrought iron 8 Concrete tile

(2 PVC) 10'-TD 4 ABS 6 Asbestos-Cement 9 Other (specify below)

7 Fiberglass .....

CASING JOINTS: Glued .PVC Clamped .....
Welded .....
Threaded .PVC-steel

Blank casing diameter 2 in. to 202 ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.

Casing height above land surface 3 ft., weight steel lbs./ft. Wall thickness or gauge No. .....

TYPE OF SCREEN OR PERFORATION MATERIAL:

(7 PVC)

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) .030 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 202 ft. to 212 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From 165 ft. to 212 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 165 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	S.C.	T	FROM	TO	LITHOLOGIC LOG	S.C.	T
0	11	topsoil, brn. sdy. loam	250	54	208	211	sand, lt. brn.	300	61
11	21	clay, reddish-tan	200	53	211	212	shale, dk. grey	300	61
21	35	clay, reddish-grey, sdy.	200	53					
35	51	clay, lt. purple-brn.	200	55					
51	62	clay, lt. brn.-grey	200	54					
62	75	clay, lt. grey-tan	300-500	55					
75	85	clay, dk. grey	200-250	56					
85	107	sand, lt. grey-brn.	200-300	56					
107	124	sand, lt. brn.	300	56					
124	140	clay, grey w/ purple	250	57					
140	159	clay, med. brn.-grey	250	58					
159	177	clay, med. brn.	300	59					
177	188	clay, med. brn.	300	60					
188	195	sand, lt. brn.	300	61					
195	208	sand, lt. brn.	300	61					

7 COMPLETION: * see also attached detail log

Date Well Completed: 3./.10./.86.

Site Geologist. Bea Stong

Signature. Bea Stong

State of Kansas

JOHN CARLIN — Governor
MICHAEL LENNEN — Chairman
MARGALEE WRIGHT — Commissioner
KEITH R. HENLEY — Commissioner
JUDITH A. McCONNELL — Executive Secretary
BRIAN J. MOLINE — General Counsel

State Corporation Commission
CONSERVATION DIVISION
(Oil, Gas and Water)
200 Colorado Derby Building
202 West 1st Street
WICHITA, KANSAS 67202-1286
Ph. 316-263-3238

DETAILED LITHOLOGIC LOG

Well: EB 39, GMD-KCC
Location: SW SW NW, 30-22-3W, Harvey County, Kansas

0-11	Top soil, dark brown, very sandy loam.
11-17	Clay, light tan with reddish tint, minor amounts of sand.
17-21	Clay, light reddish brown, very soft.
21-35	Clay, light grey with reddish tint, slightly sandy.
35-51	Clay, light brown with purple tint, minor amount of sand.
51-62	Clay, light brownish-grey with reddish tint, very soft, slick.
62-75	Clay, light grey to tan, some greenish tint, very smooth.
75-85	Clay, dark to slate grey with blueish tint, very blocky.
85-107	Sand, light brown to grey, medium grain, moderately sorted, moderate to well rounded, some lime and arkosic fragments.
107-124	Sand, light brown, medium to coarse grain, moderately sorted, moderate to well rounded, contains some fragments of gravel, lime and bright green shale/clay.
124-140	Clay, medium brown to grey with purple tint.
140-159	Clay, medium brown to light grey, minor amount of very fine grain sand.
159-177	Clay, medium brown with purple tint.
177-188	Clay, medium brown, very soft, some arkosic and lime fragments.
188-195	Sand, light brown, very fine grain, well sorted, well rounded.
195-208	Sand, light brown, medium to coarse grain, moderately sorted, moderately rounded, contains some gravel sized fragments, some greenish-white gypsum fragments.
208-211	Sand, light brown, coarse grain, poorly sorted, poor-moderately rounded, gravel fragments of various size and color.
211-212	Shale, dark grey, hard, very blocky.