

MUNICIPALITY: Elk Horn 1340 COUNTY: Shelby (83)

WELL NUMBER: 1, 2 (1953), North (1949)

LOCATION: NW, NW, SW, NW, NW, Sec. 12, T. 78 N., R. 37 W. approx. 100' N. of Indian Creek

ELEVATION: 1235 ^{+5'} topo TOPOGRAPHIC MAP: Elk Horn 7 1/2

TOTAL DEPTH: 42'
CONTRACTOR:
CASING SCHEDULE:

DIAMETER:

TYPE: bored
DATE COMPLETED: - - 1949

S.W.L.: P.L.: PUMPING RATE:

1/2 hr 6 gpm (1963)
9 hr 7 gpm (1957)

PUMP CAPACITY: positive displacement 5 gpm

MAIN WATER:
GEOLOGY:

UNIT: Alluvium IIIALVM

1964 Public water supply
Sand & gravel IIIALVM

REMARKS: abandoned, disconnected; fall, 1971.
rebuilt after flood of 1966.
also called dug.

MUNICIPAL AUTHORITY: Elk Horn Municipal Waterworks La Vern Fredericksen, supt.
712-764-5021 P.O. Box 98
Elk Horn, Ia. 51531

WATER USE: , 87, 150 avg gpd (- - - - -) max gpd , 100,000 (- - -)
POPULATION SERVED: , 740 POPULATION EQUIVALENT (@ 100 gpcd): , 872

1984 Elk Horn derives its water from wells #179-1, 10, 9, 8, 6

TREATMENT: A, F, C, zeolite, V, potassium permanganate, post-chlorination

MINERAL NUMBER:	4046	5106	
DATE OF COLLECTION:	4-8-63	2-12-57	
pH	7.1	7.55	
dissolved solids	416.	377.	mg/liter
total solids	416.	.	mg/liter
soluble iron	17.	20.05	mg/liter
total iron	17.	16.2	mg/liter
SiO ₂	38.	35.8	mg/liter
alkalinity as CaCO ₃ P	0.	0.	mg/liter
alkalinity as CaCO ₃ T	285.	266.	mg/liter
hardness as CaCO ₃	328.	306.	mg/liter
K	1.9	2.9	mg/liter
Na	10.1	10.5	mg/liter
Ca	91.2	81.7	mg/liter
Mg	24.3	24.3	mg/liter
Mn	0.99	0.92	mg/liter
NO ₃	20.1	20.1	mg/liter
F	0.25	0.35	mg/liter
Cl	9.5	17.	mg/liter
SO ₄	41.4	47.7	mg/liter
HCO ₃	348.	325.	mg/liter
CO ₃	0.	0.	mg/liter
As	.	.	mg/liter
Ba	.	.	mg/liter
Cd	.	.	mg/liter
Cr	.	.	mg/liter
Cu	.	.	mg/liter
Pb	.	.	mg/liter
Hg	.	.	mg/liter
Se	.	.	mg/liter
Ag	.	.	mg/liter
Zn	.	.	mg/liter
Ni	.	.	mg/liter
Sr	.	.	mg/liter
Al	.	.	mg/liter
gross alpha	.	.	picocuries/liter
Ra ²²⁶	.	.	picocuries/liter
Ra ²²⁸	.	.	picocuries/liter
gross beta	.	.	picocuries/liter
Sr ⁹⁰	.	.	picocuries/liter
specific conductance	649.	564.	micromhos
temperature	11.	.	degrees C