

078-04W-13 CBA

7 1/2' Liberty Quad

413404 0911551-01

078-04W-13 BABA

1950 field located by

D. Karsten

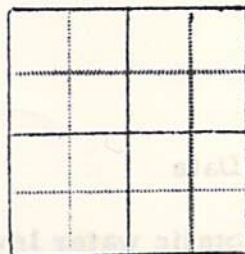
Location:

ACROSS STREET FROM RECORD OF WELL
FAIR GROUNDS

IOWA GEOLOGICAL SURVEY

In Cooperation with U.S. Geological Survey

W10351



Town: WEST LIBERTY (NE) County MUSCATINE

NE NW SW sec. 13 T. 78 N., R. 4 W. Twp

Well name and number _____

Owner WEST LIBERTY CITY WELL (1959) Address _____

Tenant _____ Address _____

Contractor HOEG & AMES Address LINCOLN, IOWA

Drillers FINK ET AL.

Drilling dates AUG. 11, 1958 - FEB. 13, 1959

Well data:

Altitudes: Drilling curb _____ feet; Land surface 668 feet

Determined by _____

Topographic position _____

Total depth: Reported 1655 feet; Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing data 105' OF 20" CASING

100' OF 16" LINER FROM APP. 980' - 1080'

460' OF 14" CASING 0-460'

620' OF 10" CASING FROM 460' TO 1080' - CEMENTED

OPEN HOLE 1080' TO TOTAL DEPTH

Original depth to water 91.87 ft. ^{above} _____ Date 2/13/59

Source of data _____

Sources of water: Principal PRAIRIE du CHIEN, JORDAN, ST-LAWRENCE

Others _____

IOWA GEOLOGICAL SURVEY
Water Analysis Report
Iowa City, Iowa

County Muscatine Date Sampled February 13, 1959
Town West Liberty Sampled by L. L. Steele
Location of well _____ sec. _____, T. _____ No. R. _____ Twp. _____
Owner Town of West Liberty Well No. 2 Depth 1655 ft.
Type of _____ static _____ ft. Altitude _____ ft.
well _____ level _____
Producing Formation(s) _____ Depth Range _____

Notes on condition of well, casing, or formations:

**end of 20', 8" discharge pipe, constructed August, 1958 to January, 1959.
well pumped 8 hrs. at 450-650 g. p. m.**

Dissolved constituents and properties (in parts per million except as indicated):

Silica(SiO ₂) _____	Dissolved solids _____
Iron(Fe) <u>0.38</u>	Hardness (calc. as CaCO ₃) Total _____
Manganese(Mn) _____	(as grains per gallon) _____
Calcium (Ca) _____	Carbonate _____
Magnesium (Mg) _____	Noncarbonate _____
Potassium (K) _____	Alkalinity (as CaCO ₃) _____
Sodium(NA) _____	pH _____
Carbonate (CO ₃) _____	Specific Conductance _____ (Microhmhos at 25°C.)
Bicarbonate (HCO ₃) _____	Temperature (°F.) _____
Sulfate (SO ₄) _____	*****
Chloride (Cl) <u>115</u>	Analysis No. <u>1436 (997)</u>
Fluoride (F) _____	Date analyzed <u>March 5, 1959</u>
Nitrate (NO ₃) _____	I. G. S. Well No. _____
Remarks:	