

W-4778

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

RECORD OF WELL

Location:

Town: Gilbertville (NE)
(SW): County Black Hawk
NW SE SW sec. 23 T 88 N., R. 12 W. Twp.

Well name and number Gilbertville Town well #1 (1951)

Owner _____ Address _____

Tenant _____ Address _____

Contractor THORPE WELL CO. Address DES. MOINES, IOWA

Drillers _____

Drilling dates JAN. 27 - FEB. 16, 1951

Well data:

Elevations: Drilling curb _____ feet; Land surface 882' feet

± 20-30' above RR Sta. at highest point in town ???

Determined by _____

Topographic position _____

Total depth: Reported 200' feet, Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing date 76' of 8" CASING SET @ 75'

Original depth to water 68 ft. above _____ below _____ Date _____

Original elevation of water level _____ ft.; Source of data _____

Sources of water: Principal _____ ; Others _____

Production data:

Date _____

Static depth to water _____

Measuring point Top

Pumping level _____

at _____

g.p.m.

Specific capacity _____

g.p.m. per ft. drawdown; Temperature _____

°F.

Pump data; Type pump _____

Column Dia. _____

Length _____

Cylinder or bowls: Dia. _____

Length _____

Suction pipe _____

Power _____

Airline _____

Estimated rate of production: _____

g.p.m. for _____

hrs. a day

Use of water _____

WATER ANALYSES (in parts per million)

Date samples _____

Sampled by _____

Total solids _____

Insoluble matter _____

Alkalinity (Meq) _____

Alkalinity (Phn) _____

pH _____

Fe₂O₃-Mn₂O₃-Al₂O₃ _____

Alkali as sodium _____

Calcium _____

Magnesium _____

Iron (unfiltered) _____

Manganese _____

Nitrate _____

Fluoride _____

Chloride _____

Sulfate _____

Bicarbonate _____

Hardness (ppm) _____

Hardness (gpg) _____

Remarks _____

Laboratory data:

Sample storage location CK 8-8

Sample range 115-175

No. spls. 12

No. dupls. & cond. 10 P.

Spls. prepared by AJF

Washed range 115-175

by AJF 2/16/5

Driller's log and cond. _____

Insoluble residues: Prepared by _____

Studied by _____

Strip log _____

Microscopic study 115-175 strip log _____

Gen. log _____

Correl. by RW Soreven

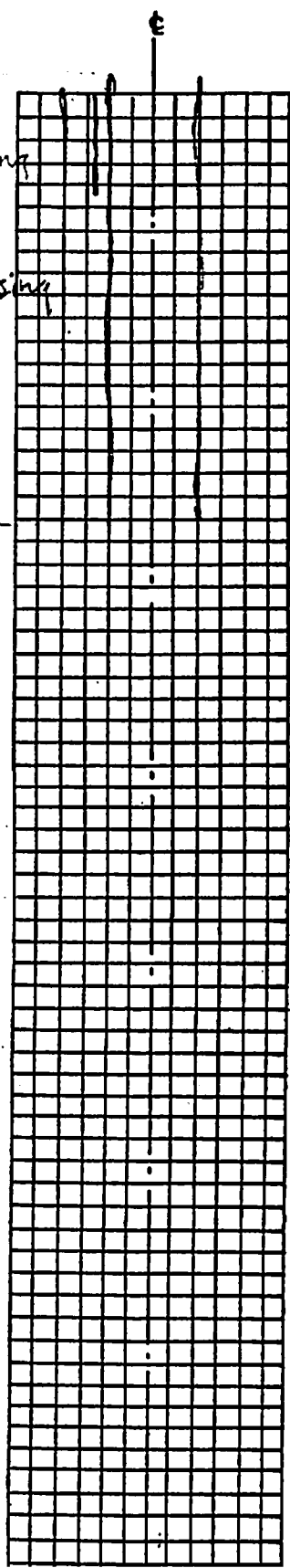
log in "Current Study" file

GEOLOGICAL DATA			CASING DATA	WELL DATA	
Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal _____ Vertical _____	Position of seals, screens, static level, etc.

0-1' Black Dirt
 1-4' Sandy Silt
 4-10' " "
 10-15' " clay
 15-40' Blue clay
 rocks
 40-57' "
 57-65' 6" sandy &
 Yellow clay
 65' 6"-75' Lime Rock
 75-86' Yellow " "
 86-160' Grey "
 160-188' Brown & Gray
 Lime Rock
 188-200' Yellow Limerock

{ 20'-16"
 Temp. Casing
 40'-10"
 Temp. Casing
 76'-8"
 W.I. casing
 Permanent
 casing
 1-75' 8"

Bottom @ 200'



S.L. 68'

D.D. 40' @
48 gpm.