5 5/8" Well

WM. L. HAWBAKER w1436
3 miles south of
West point, Iowa

306 Feet Deep

Drilled in August 1941

0 -	11	Clay: grey, brown
11 -	30	Clay: brown, sandy
30 -	60	Clay: grey, sandy
60 -	75	Clay: brown, sandy
75 -	160	Clay: grey, Sandy
160 -	167	Clay: yellow, sandy
167 -	172	Limestone: white
172 -	176	Shale: grey
176 -	178	Limestone: grey, sandy
178 -	181	Shale: grey
181 -	194	Limestone: dark grey
194 -	225	Limestone: light grey
196		Water 1 quart per minute
225 -	240	Limestone: greyish-brown
240 -	268	Limestone: bluish*grey
268 -	286	Limestone: white
286 -	306	Limestone: bluish-grey
294		Water 6 gallon per minute

Waterhead is 150 feet
Tested 6 Gal. per Min. at bottom
163 feet of 5 5/8" casing
265 feet of pump in well

Cost of drilling	$449.00
Cost of casing	163.00
	$612.00

068-05W-21CCD

IOWA GEOLOGICAL SURVEY W-1436

In Cooperation with U. S. Geological Survey

RECORD OF WELL

Location:

Town: West Point (N E / S W): County Lee.

SE-SW-SW sec. 21 T 68 N., R. 3 W. W. Point Twp.

Well name and number W. L. Hawbaker #1

Owner W. L. Hawbaker Address Ft. Madison,

Tenant _____ Address _____

Contractor Schlicher Well Co. Address Donnellson.

Drillers L. E. Schlicher

Drilling dates Aug 2-14, 1941

Well data:

Elevations: Drilling curb _____ feet; Land surface 730 feet

Determined by _____

Topographic position Upland.

Total depth: Reported 306 feet, Measured _____ feet

Drilling method Cable.

Hole and casing data 163' of 5 5/8" casing

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

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

Sources of water: Principal 299- Burlington; Others _____

Production data: Date _____

Static depth to water 150 Measuring point _____
Pumping level _____ at 6 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 (Meo)				
Alkalinity (Phn)				
pH				
Fe_2O_3+ Mn_2O_3+Al_2O_3				
Alkali as sodium				
Calcium				
Magnesium				
Iron (unfiltered)				
Manganese				
Nitrate				
Fluoride				
Chloride				
Sulfate				
Bicarbonate				
Hardness (ppm)				
Hardness (gpg)				

Remarks _____

Laboratory data: Sample storage location _____

Sample range 0-306 No. spls. 63 No. dupls. & cond. 63 cond

Spls. prepared by Cuvier Washed range _____ by _____

Driller's log and cond. Yes - Excellent

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____

Microscopic study 0-306 strip log 6/13/43

Gen. log _____ Correl. by Lawson