

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
10"	208	208			
7"	22'	connected to screen			

*As cast, wrought iron, steel, concrete, etc.

Is screen used? yes Diameter 7 1/4"

Length 20 (Feet) Depth to bottom 234' approximately

Depth to top..... Slot size.....

Are packers or seals used?.....

Kind

Where used

Kind of pump turbine Dia. 4 (Inches)

Capacity of pump 100 (g.p.m.)

Power used..... (Kind and amount)

Depth to bottom of pump line.....feet,

including.....feet tailpiece.

Remarks on construction of well.....

.....

WELL RECORD

Well is located.....miles S and.....miles S from
N E
E E
W W

.....in Asheboro
(Nearest Town) (County)

in the..... $\frac{1}{4}$ $\frac{1}{4}$ Sec.....T.....R.....

Owner Asheboro Well No. 42

Postoffice address

Contractor Layne Walker

Address Walker & Munson

Driller

Well begun.....2-4....., 1949

completed.....3-20....., 1949

Rig used—~~Cable~~ Rotary, Jet, or.....

Depth of well.....232
(Feet)

Size of hole (note total amount of each size).....

10" pipe 208

Main water supply at 218' - 7 1/4" screen 232
(Feet below surface)

Final water head 98'
(Feet above or below surface)

Is well pumped? yes

Yield.....37
(Gallons per minute)

Water level when pumping.....135

Position of well.....
(Upland, valley, side hill, etc.)

Sample No.	DEPTH		THICKNESS
	From	To	
	Clay & hard pan		
	- 182		
	sd & siltstone - 182-184		
	208'	sd & siltstone	
	208'	216 sh.	
	216	220 fine gravel	
	220'	226 sd	
	226 - 232	fine sand	
	232	sh.	

5/79 field located by S. Lenker

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

W-3624

RECORD OF WELL

Location:

Town: Ocheyedan { N E }
{ S W } : County Osceola
E.

NENE NE NW sec. 11 T 99 N., R. 40 W. Twp.

Well name and number Ocheyedan Town Well (1949)

Owner → Address _____

Tenant _____ Address _____

Contractor Layne-Western Address Ames, Ia.

Drillers Nels Homer

Drilling dates March 1949

Well data:

Elevations: Drilling curb _____ feet; Land surface 1580 feet

Appo Elevation 1571'

Determined by _____

Topographic position _____

Total depth: Reported _____ feet, Measured _____ feet

Drilling method _____

Hole and casing data _____

Original depth to water 96 (approx) 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

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 (Meo)

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

Sample range

No. spls.

No. dupls. & cond.

Spls. prepared by

Washed range

by

Driller's log and cond.

Insoluble residues: Prepared by

Studied by

Strip log

Microscopic study

strip log

Gen. log

Correl. by

CE9-3
2 - Good
J. H. 11/1949

Lecro Co

April 8, 1949

Layne-Western Company
P. O. Box 662
Ames, Iowa

Attention: Mr. Frank H. Flores

Gentlemen:

Thank you for your letter of April 4 and for the copy of the log on test holes and the print showing construction of the Ocheyedan well. I appreciate your cooperation in furnishing these data.

Very truly yours,

H. G. Hershey

HCH: BH

LAYNE-WESTERN COMPANY

WATER SUPPLY CONTRACTORS

WELL WATER SUPPLIES AND
PUMP EQUIPMENT FOR
MUNICIPALITIES
INDUSTRIES
RAILROADS
MINES AND IRRIGATION

Affiliated With
LAYNE & BOWLER, INC.
LAYNE WELLS AND LAYNE PUMPS
P. O. BOX 662
SOUTH DUFF

FACTORIES
MEMPHIS, TENN.
HOUSTON, TEXAS
LOS ANGELES, CALIF.
BRANCHES - REPRESENTATIVES
THROUGHOUT THE COUNTRY

AMES, IOWA

April 4, 1949

APR 5 1949

Iowa Geological Survey
Geology Annex Bldg.
Iowa City, Iowa

Gentlemen:

We are attaching herewith copies of log on test holes drilled and print showing construction of well for the town of Ocheyedon, Iowa. These copies are for your files.

Yours very truly,

LAYNE-WESTERN COMPANY


Frank H. Flores

FHF:le
Enc.

RECORD OF PUMPING TEST ON NEW WELL
OCHEYEDAN, IOWA

Date of Test: March 18, 1949
Static Water Level: 98 feet
Bottom of Air Line: 152 feet
Bottom of Pump: 157 feet

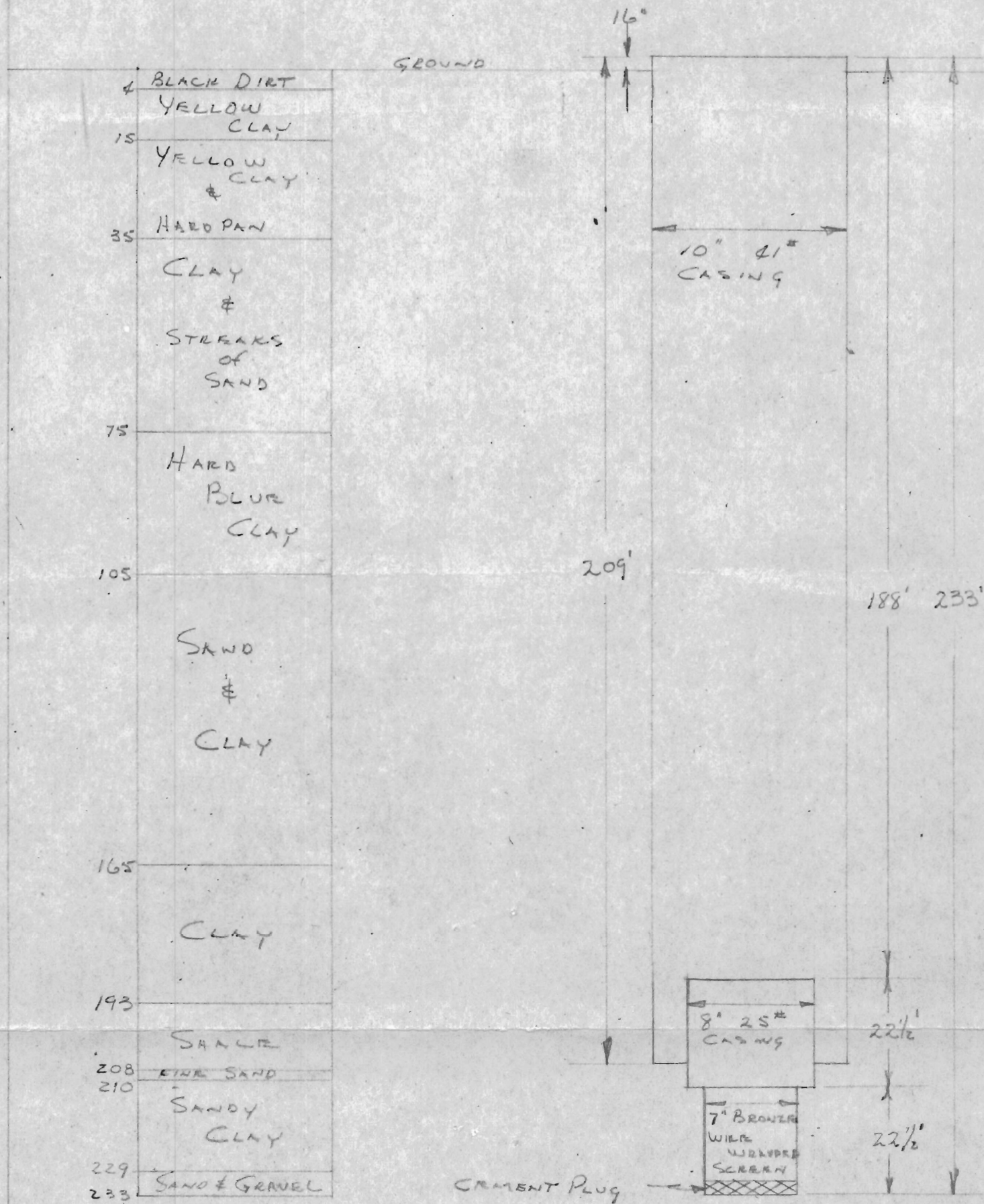
<u>Time</u>	<u>G.P.M.</u>	<u>Drawdown</u>	<u>Remarks</u>
4:15	30	24	
4:30	30	24	
5:00	30	24	
5:30	37	38	
6:00	37	38	
6:30	37	38	
7:00	37	37	
7:30	37	37	
8:00	37	36	
9:00	37	35	
10:00	37	36	Water clear
11:00	37	36	
12:00	37	36	

WELL CONSTRUCTION
; for
TOWN of OCHYREDAN, IOWA

LAYNE-WESTERN CO

AMES, IOWA

COMPLETED: MARCH 1949



STATE OF IOWA
DEPARTMENT OF GEOLOGY
BUREAU OF GEOLOGICAL SURVEY
ANNEX
IOWA
MEMORANDUM

Subject: New well at Ocheyedan, Osceola County

Date: March 8, 1949

Mayor O. J. Lee, of Ocheyedan, said their new well was just completed at a depth of 223 feet by the Layne-Western Company, Ames, Iowa.

The test (and final?) pump is being set today preliminary to testing the well.

Additional information can be secured from R. W. BBooks at Ames.

K. E. Anderson

File

MEMORANDUM

Subject: Occheyedan town well (1949)

This well was completed in March 1949 by Layne-Western Co. at Ames.

Driller was Nels Holmer.

Following data from M. S. Munson (from memory):

Total depth:

Static level: approx 96 ft.

Pumping level: about 137 feet

Pumping rate: 37-38 gallons a minute

There is about 4 feet of sand in the bottom of the well. Two test holes were drilled and the final well is somewhere near the old city well.

K.E.Anderson
3/23/49