

WELL RECORD

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

_____ in _____,
(Nearest Town) (County)

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

Owner Cedar Rapids Well No. 19

Postoffice address _____

Contractor Layne Western

Address 705 south 12th Ave S, Ia.

Driller Cole Int'l

Well begun 9-1 _____, 1924

completed _____, 19 _____

Rig used—Cable, Rotary, Jet, or Ben Rot

Depth of well _____
(Feet)

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

10' x 52" 7' x 2"

Main water supply at _____
(Feet below surface)

Final water head _____
(Feet above or below surface)

Is well pumped? _____

Yield _____
(Gallons per minute)

Water level when pumping _____

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

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type ^o and Weight of Pipe	DIAGRAM OF WELL
30"	51.5'	37'	+14.5'	1/2 ton Steel	

^oAs cast, wrought iron, steel, concrete, etc.

Is screen used? Yes Diameter 30"
(Inches)

Length 24' Depth to bottom 57'
(Feet)

Depth to top 37' Slot size 0.80

Are packers or seals used? Yes

Kind Clay & Lignite

Where used 16' to 18'

Kind of pump _____ Dia. _____
(Inches)

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

Power used _____
(Kind and amount)

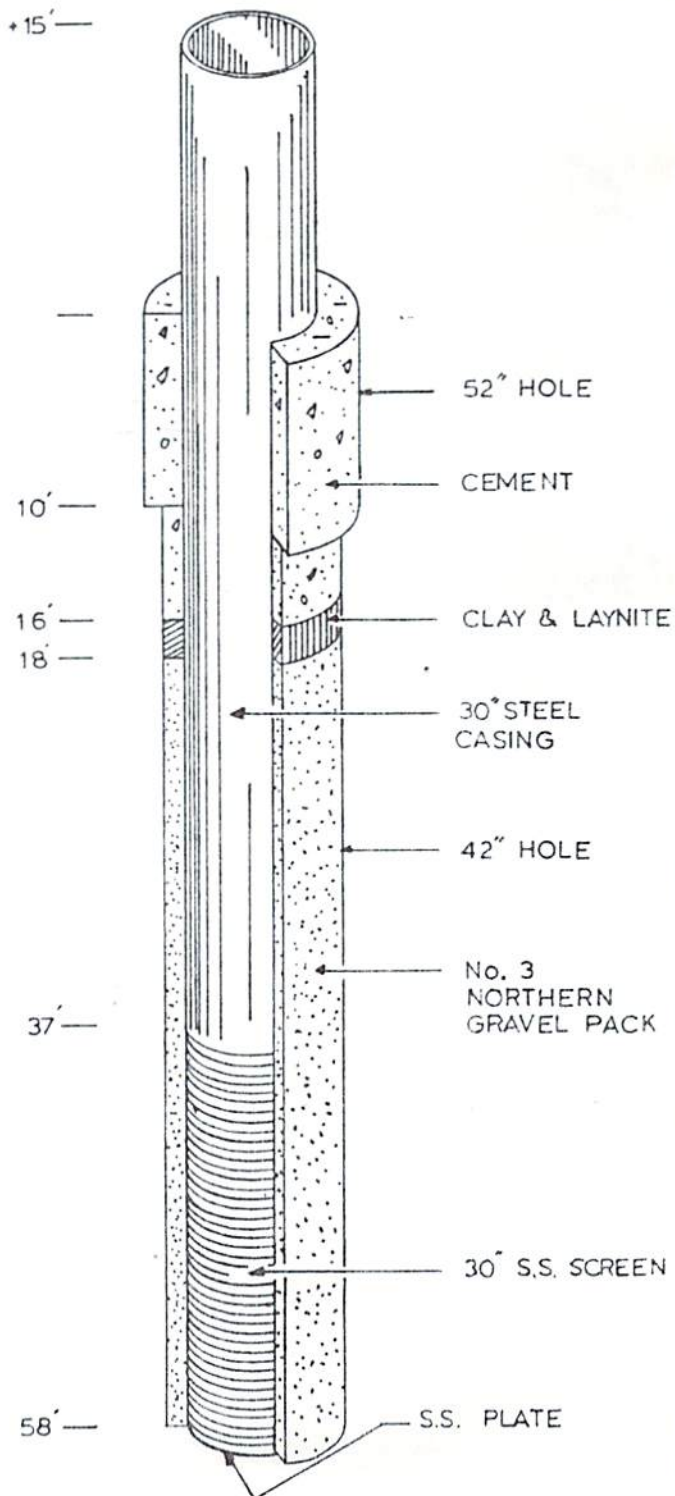
Depth to bottom of pump line _____ feet,
including _____ feet tailpiece.

Remarks on construction of well _____

GEOLOGICAL LOG

CONSTRUCTION DETAIL

ROAD ROCK, BROWN SAND	SURFACE
DARK DIRTY SAND	2'
GRAY SILTY SAND	4'
DARK GRAY SAND AND MEDIUM GRAVEL	6'
BLACK SILTY CLAY	10'
BROWN MEDIUM SAND TO COARSE GRAVEL WITH COBBLES	13'
COARSE SAND TO SMALL GRAVEL WITH SOME COBBLES	25'
COARSE SAND TO LARGE GRAVEL WITH COBBLES AND BOULDERS	40'
ROTTEN LIME	57' 58'



Wnumber: 27727

Owner: CEDAR RAPIDS, CITY OF; #19

County: LINN (T83N R7W Sec 17)

TD: 58

Elev:

Log by: WHITSETT, THOMAS MICHAEL

Log date: 07/11/1995

Depth top	Depth bot	Lithologic description
0.0	2.0	Soil; REM: road metal
2.0	5.0	Soil, brn. (20%); Sd., var.color, v.f. -> c., a. -> r. (80%); REM: soil: fill, a.a.; snd: silty
5.0	10.0	Sd., var.color, f. -> v.c., a. -> r. (50%); Grav., var.color, f. -> v.c., a. -> r. (50%); REM: gr:qtz,ign,cht,sltstn,crinoid
10.0	13.0	Diamicton/uo/ul, dk. brn.gr., silty.
13.0	15.0	Sd., var.color, c. -> v.c., a. -> r. (60%); Grav., var.color, f. -> v.c., a. -> r. (40%); REM: gr:ign,qtz,cht,sltstn,ls
15.0	20.0	Sd., var.color, v.f. -> m., a. -> r. (80%); Grav., var.color, v.f. -> m., a. -> r. (20%); REM: gr: qtz, ign, chrt, siltstone
20.0	25.0	Sd., clr. -> var.color, m. -> v.c., a. -> r. (70%); Grav., var.color, f. -> c., a. -> r. (30%); REM: gr: ign, qtz, sltstn, ls
25.0	30.0	Sd., clr. -> var.color, m. -> v.c., a. -> r. (80%); Grav., var.color, f. -> c., a. -> r. (20%); REM: gr: ihn, cht, qtz, sltstn, ls
30.0	35.0	Sd., clr. -> var.color, f. -> v.c., A. -> r. (50%); Grav., var.color, f. -> v.c., A. -> r. (50%); REM: gr: ign,sltstn,cht,v.wthrd.ls
35.0	40.0	Sd., clr. -> var.color, m. -> v.c., a. -> r. (50%); Grav., var.color, f. -> v.c., a. -> r. (50%); REM: gr pred. sltstn, up to 3 cm
40.0	45.0	Sd., clr. -> var.color, m. -> v.c., a. -> r. (30%); Grav., var.color, v.c., a. -> r. (70%); REM: gr pred ls, up to 4 cm
45.0	50.0	Sd., lt. brn., c. -> v.c., A. -> r. (50%); Grav., var.color, c. -> v.c., a. -> r. (50%); REM: gr: ign, cht, ls, sltstn, qtz
50.0	55.0	Sd., clr. -> lt. brn., f. -> c., a. -> r. (60%); Grav., var.color, m. -> v.c., a. -> r. (40%); REM: gr:qtz,ign,dol,foss ls(brach)
55.0	58.0	Sd., clr. -> lt. brn., f. -> c., a. -> r. (60%); Grav., var.color, m. -> v.c., a. -> r. (30%); Ss., m. brn., f. -> m., a. -> r., calc., salt & pep (10%); REM: ss: silty & includes ign grain
