

WELL RECORD

Well is located _____ miles ^N_E and _____ miles ^N_E from
W W

_____ in _____
(Nearest Town) (County)

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

Owner Cedar Rapids Well No. 12

Postoffice address _____

Contractor Layne Western

Address 705 5th Ave.

Driller Gale McIntosh

Well begun 5-24, 1984

completed _____, 19____

Rig used—Cable, Rotary, Jet, or Rev. Rot.

Depth of well _____
(Feet)

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

Main water supply at _____
(Feet below surface)

Final water head _____
(Feet above or below surface)

Is well pumped? _____

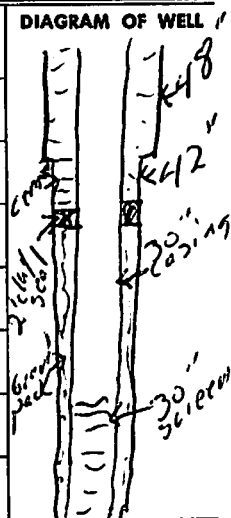
Yield _____
(Gallons per minute)

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



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

Is screen used? Yes Diameter 30"
(Inches)

Length 20' Depth to bottom _____
(Feet)

Depth to top _____ Slot size 080

Are packers or seals used? Yes

Kind clay & laynite

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 _____

WELL NO. 12
CITY OF CEDAR RAPIDS
CEDAR RAPIDS, IA

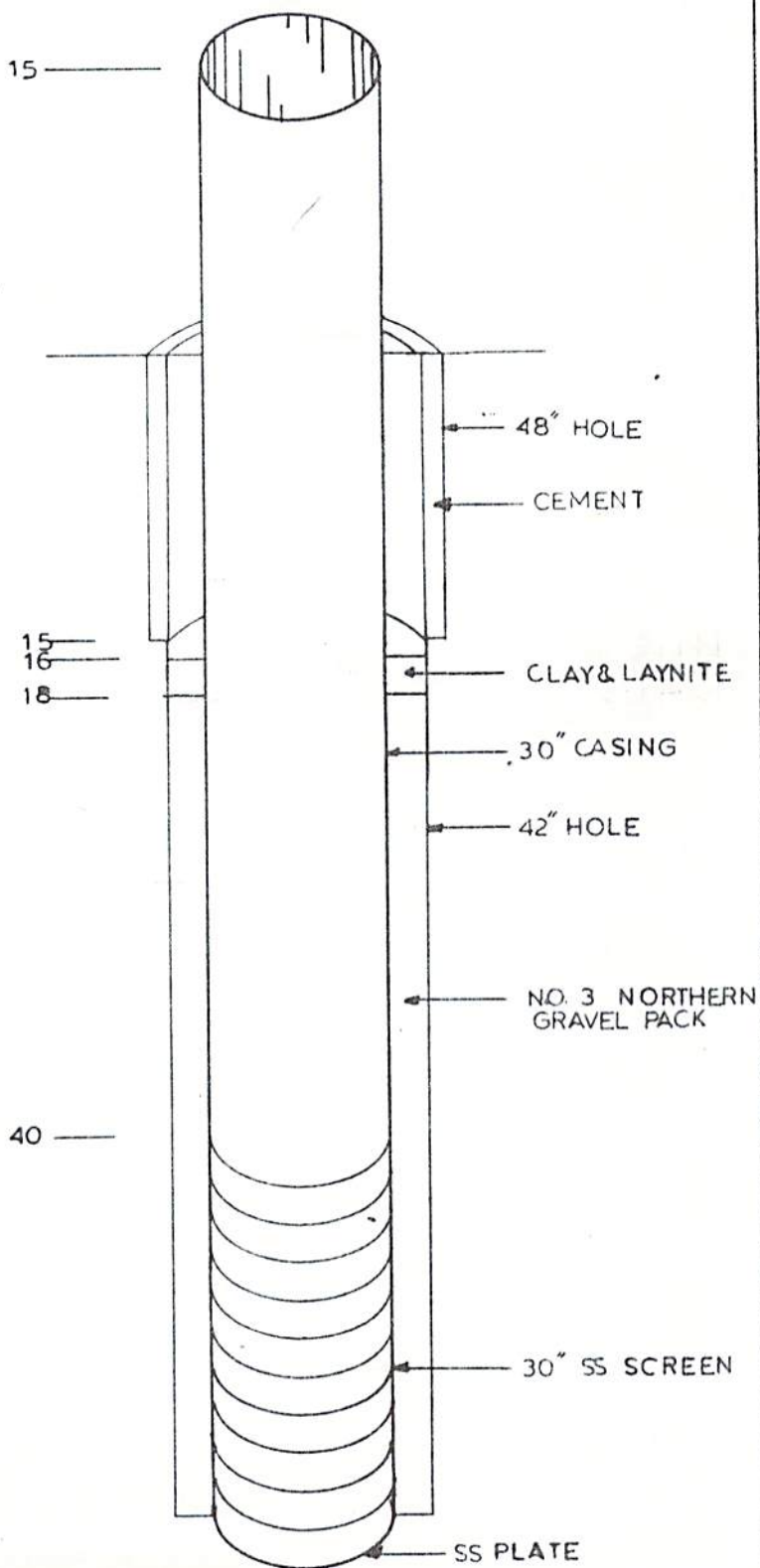
~~#288892~~
27724

LAYNE-WESTERN CO., INC. AMES, IOWA

GEOLOGICAL LOG

CONSTRUCTION DETAIL

BLACK TOPSOIL	1	SURFACE
BROWN MEDIUM TO COURSE SAND	6	
BLACK GUMBO	12	
BROWN MEDIUM TO COURSE SAND	14	
BROWN MEDIUM TO COURSE GRAVEL WITH BLACK SILTY STREAKS	20	
GRAY MEDIUM TO COURSE GRAVEL, VERY CLEAN W/ BOULDERS	39	
BROWN MEDIUM TO COURSE SAND WITH MEDIUM GRAVEL/COBBLES	48	
BROWN MEDIUM TO COURSE SAND W/ GRAVEL & COBBLES, BOULDERS	61	
LIMESTONE		



Wnumber: 27724

Owner: CEDAR RAPIDS, CITY OF; #12

County: LINN (T83N R7W Sec 17)

TD: 61

Elev:

Log by: WHITSETT, THOMAS MICHAEL

Log date: 07/13/1995

Depth top	Depth bot	Lithologic description
0.0	1.0	Soil, dk. brn., sdy.
1.0	6.0	Sd., clr. -> lt. brn., f. -> c., a. -> R.
6.0	12.0	Diamicton/uo/ul, dk. gr. brn., slty.; REM: no pbbles; micaceous
12.0	14.0	Sd., clr. -> lt. brn., m. -> v.c., A. -> R. (40%); Grav., var.color, f. -> c., a. -> r. (60%); REM: gr: qtz, ign, cht, sltstn
14.0	20.0	Sd., clr. -> lt. brn., m. -> v.c., A. -> R. (60%); Grav., var.color, f. -> c., a. -> r. (40%); REM: grav. comp.a.a.
20.0	25.0	Sd., clr. -> var.color, m. -> v.c., A. -> r. (60%); Grav., var.color, f. -> v.c., a. -> r. (40%); REM: gr: up to 3cm; comp aa+foss ls
25.0	30.0	Sd., clr. -> var.color, m. -> v.c., A. -> r. (20%); Grav., var.color, f. -> v.c., a. -> r. (80%); REM: gr up to 1.5cm; comp a.a.
30.0	35.0	Sd., clr. -> var.color, c. -> v.c., a. -> R. (20%); Grav., var.color, f. -> v.c., a. -> R. (80%); REM: gr: foss ls,qtz,ign,sandstone
35.0	40.0	Sd., clr. -> var.color, c. -> v.c., a. -> R. (20%); Grav., var.color, f. -> v.c., a. -> R. (80%); REM: grav. comp. a.a.
40.0	45.0	Sd., clr. -> var.color, m. -> v.c., a. -> R. (50%); Grav., var.color, f. -> v.c., a. -> R. (50%); REM: grav. comp. a.a.
45.0	50.0	Sd., clr. -> lt. brn., m. -> v.c., A. -> a. (50%); Grav., var.color, f. -> c., A. -> r. (50%); REM: gr: qtz,ign,cht,sltstn,ls
50.0	55.0	Sd., clr. -> lt. brn., v.c., A. -> a. (10%); Grav., var.color, f. -> v.c., A. -> R. (90%); REM: gr: qtz,ign,cht,dol,ls
55.0	60.0	Sd., clr. -> lt. brn., m. -> v.c., a. -> R. (40%); Grav., var.color, f. -> c., a. -> r. (60%); REM: gr: qtz, ign, siltstone
60.0	61.0	Ls., lt. brn.gr., f. -> m., vug. & wthrd.