

#28333 1984

Well Information—Drift Wells



Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job Cedar Rapids Water Works Date 3/30/84

City or Village Cedar Rapids, State Iowa

Well No.: 14 Drillers: G. McIntosh & D. Heldt

Well Location: _____ ft. (____) and _____ ft. (____) of the _____ corner of

Section _____, Twp. _____ (____), Range _____ (____) County.

Otherwise located as 300' South of #15 Well

Work Began: 3/1/84 Work Completed: 3/30/84 Well Depth: 65'

All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>59'6"</u>	<u>30"</u>	<u>1/2 Wall</u>	<u>Black steel with weld joints from +15' to 44'6"</u>
_____	_____	_____	_____ with _____ joints from _____ to _____

Screen Record: Type Johnson

Amount	Dia.	Opening	Material
<u>20'6"</u>	<u>30"</u>	_____	<u>SS with weld joints from 44'6" to 65'</u>
_____	_____	_____	_____ with _____ joints from _____ to _____

Type of Seal at Bottom SS

Hole Record:

<u>48"</u>	<u>inch from</u>	<u>0</u>	<u>to</u>	<u>10'</u>
<u>42"</u>	<u>inch from</u>	<u>10'</u>	<u>to</u>	<u>65'</u>

Gravel Pack Record:

Amount	Size	Source	From	To
<u>20 Tons</u>	<u>#3</u>	<u>Northern Gravel</u>	<u>19'</u>	<u>65'</u>
_____	_____	_____	_____	_____

Cementing Record: 7 cu. yds., 4,000 lbs, mix 0-17'

Backfill Record: Clay & Laynite mix 17'-19'

WELL LOC

[illegible]

Well Test Data: Static Level _____; pumping level _____ after _____ hours pumping at _____ g.p.m.

Length of test _____ hrs. See Well Test Data Sheet Dated _____

REMARKS:

Wnumber: 28333

Owner: CEDAR RAPIDS, CITY OF; #14

County: LINN (T83N R7W Sec 17)

TD: 65

Elev:

Log by: WHITSETT, THOMAS MICHAEL

Log date: 10/26/1995

Depth top	Depth bot	Lithologic description
0.0	3.0	Soil, m. brn.yel. -> dk. brn.gr., sdy. (30%); Sd., clr. -> var.color, v.f. -> v.c., a. -> r. (60%); Grav., var.color, v.f. -> m., a. -> r. (10%); REM: qtz, ign, cht
3.0	9.0	Silt, dk. brn.gr., sltly. calc., mica & tr. sd grains; REM: gastropod shells; clayey; seeds
9.0	15.0	Sd., clr. -> lt. brn., c. -> v.c., a. -> r. (40%); Grav., var.color, f. -> v.c., a. -> R. (60%); REM: ls, sltstn, cht, qtz, ign, qtz
15.0	20.0	Sd., clr. -> lt. brn., c. -> v.c., a. -> r. (60%); Grav., var.color, f. -> v.c., a. -> R. (40%); REM: comp a.a. incl wood frags
20.0	25.0	Sd., clr. -> var.color, v.c., A. -> r. (70%); Grav., var.color, f. -> v.c., a. -> R. (30%); REM: foss ls, qtz, sltstn, cht, ign
25.0	30.0	Grav., var.color, v.f. -> v.c., A. -> R.; REM: ls, qtz, sltstn, ign, cht, dol
30.0	35.0	Sd., clr., f. -> v.c., A. -> R. (70%); Grav., var.color, f. -> v.c., A. -> R. (30%); REM: petoski ls, qtz, ign, sltstn, cht
35.0	40.0	Grav., var.color, f. -> v.c., A. -> R. (80%); Sd., clr. -> var. var.color, c. -> v.c., A. -> r. (20%); REM: comp a.a.
40.0	45.0	Sd., clr. -> var. var.color, c. -> v.c., A. -> r. (20%); Grav., var.color, f. -> v.c., A. -> R. (80%); REM: grav up to 6cm; comp a.a.
45.0	50.0	Sd., clr. -> lt. brn., m. -> v.c., A. -> R. (80%); Grav., var.color, f. -> c., A. -> R. (20%); REM: pet. ls, spiculitic cht, sltstn
50.0	55.0	Sd., clr. -> lt. brn., m. -> v.c., A. -> R. (60%); Grav., var.color, f. -> v.c., A. -> R. (40%); REM: comp a.a.
55.0	60.0	Sd., clr. -> lt. brn., m. -> v.c., A. -> R. (60%); Grav., var.color, f. -> v.c., A. -> R. (40%); REM: phyllite, ls, cht, sltstn, dol
60.0	65.0	Sd., var.color, c. -> v.c., A. -> r. (30%); Grav., var.color, f. -> v.c., A. -> R. (70%); REM: comp a.a.; no bedrock in smple