



# Layne-Western Company, Inc.

## WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job: \_\_\_\_\_ City of Bondurant \_\_\_\_\_ Date: 10-9-81  
 City or Village: \_\_\_\_\_ Bondurant \_\_\_\_\_ State: Iowa  
 Well No.: 4 \_\_\_\_\_ Drillers: Gale McIntosh, Dennis Osterhout  
 Well Location: \_\_\_\_\_ ft. ( ) and \_\_\_\_\_ ft. ( ) of the \_\_\_\_\_ corner of  
 Section 16, Twp. 80 ( N ), Range 22 ( W ) Polk County.  
 Otherwise located as: City well field - See plot plan (400' east of well no. 3)

Work Began: 9-28-81 Work Completed: 10-9-81 Well Depth: 65'  
 All measurements made from existing ground level at time well was drilled.

### Casing Record:

Amount	Dia.	Wt. or Thickness	Material	Temporary surface casing
10'	66"	St'd.	steel	with no joints from 0' to 10'
45'	10"	Sch. 40	Blk. steel	with welded joints from 0' to 45'

Screen Record: Type Layne-Johnson w.w.

Amount	Dia.	Opening	Material
20'	10" P.S.	.055	304 s.s. with no joints from 45' to 65'
			with joints from to

Type of Seal at Bottom 304 s.s. plate

### Hole Record:

66"	inch from	surface	to	10' (For surface casing)
60"	inch from	10'	to	65' (T.D.)

### Gravel Pack Record:

Amount	Size	Source	From	To
44 tons	no. 2	Northern Gravel - Muscatine	25'	65'

Cementing Record: 6' to 25' (405 bags)

Backfill Record: Surface to 6' around pitless - bentonite and clay seal above  
 gravel pack



# WELL LOG

Feet	Feet	Description
0.0	to 3.0	Black topsoil
3.0	to 10.0	Brown clay with sand
10.0	to 16.0	Brown clay
16.0	to 45.0	Coarse sand with small gravel
45.0	to 56.0	Gray medium gravel
56.0	to 60.0	Medium to coarse gravel
60.0	to 65.0	Blue-gray clay medium sand with thin clay lens
	to	Bottom of boring

Well Test Data: Static Level 19'4"; pumping level 22'2" after 22 hours pumping at 302 g.p.m.

Length of test 22 hrs. See Well Test Data Sheet Dated 10-5-81

REMARKS: