

## 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	16.0
Well No.: 4 Drillers: Gale McIntosh, Dennis Osterhout	
Well Location:ft. () andft. () 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)	
of the state of th	
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.S055 304 s.s. with no joints from 45' to	65'
with joints from to	)
Type of Seal at Bottom 304 s.s. plate	alesta esta esta esta esta esta esta esta
Hole Record:	
inch from surface to 10' (For surface casing)	
60" inch from 10' to 65' (T.D.)	
Gravel Pack Record:	
Amount Size Source From	
44 tons no. 2 Northern Gravel - Muscatine 25'	65'
est 22 Ins. See Well Test Date sheet Dated 10-5-81	Length of t
Cementing Record: 6' to 25' (405 bags)	REMARKS
Backfill Record: Surface to 6' around pitless - bentonite and clay seal above	
gravel pack	
LW- 33 SEE OTHER SIDE	

## 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  Brown clay  Brown clay	
16.0		45.0	Coarse sand with small gravel	
45.0		56.0	Gray medium gravel	
56.0		60.0	Medium to coarse gravel	
60.0		65.0	Blue-gray clay medium sand with thin clay lens	
VIAMO J			Section 10 Twp 80 ( W ) Range 24 ( W ) Tolk	
	_ to _	BOTTOM O	f boring	
	_ to _			
		pth: 651	Work Began: 9-28-81 Work Completed: 10-9-81 Well De	
*	_ to _	was drilled	All measurements made from existing ground level at time well Casing Record;	
manager and a little and a filler to be a little and a filler	_ to _	iace casu	Amount Dis Wt or Thickness Material responsity sur	
10.	to _		10' 66" St'd. steel with no joints from	
45"	_ to _	10	45' 10" Sch. 40 Blk. steel with welded joints from	
	to _		Screen Record: Type Layne-Johnson w.w.	
	to _		Amount Dis. Opening Material 20 19/8 P.S	
	to _		MICH EMILE TO THE PARTY OF THE	
	to _		with joints from	
			Type of Seal at Bottom 304 s.s. plate	
	to _		- the state of the	
			66' inch from surface to 10' (For surfa	
	to _		60" inch from 10" to 65" £(y.o.)	
			Gravel Pack Record:	
		- mor		
			vel 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:				
REMAN	ixo.			