37363

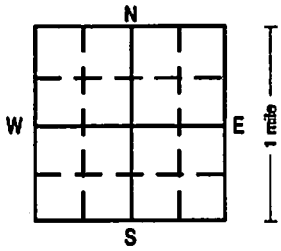
Iowa Department of Natural Resources Geological Survey Bureau
109 Trowbridge Hall Iowa City, Ia. 52242-1319 PH (319) 335-1575

WELL RECORD Permit No. _____

Site identification
Property Owner City of Jesup Well Number _____
Address _____
Tenant _____
Well Depth _____ ft Date Completed 07 / 11 / 96

Location
County Buchanan
____mi. N/S and ____mi. E/W of Intersection of _____ and _____
____1/4 of the ____1/4 of the ____1/4 of Sec ____ TWP ____ RNG ____ E/W

Show exact location of well in section grid with a dot (●).



Sketch map of well location on property



☐ upland ☐ hillside ☐ valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
				Same as 7" test well drilled in 1995

use additional sheets as needed

Remarks (including depth of lost drilling fluids, materials, or tools)
7" csg & 10" temp. csg. was pulled out.

Well use
☐ Domestic ☐ Municipal ☐ Industrial
☐ Livestock ☒ Public Supply ☐ Monitoring
☐ Test Well ☐ Irrigation ☐ Other _____ (explain)

Drill method
☒ rotary ☐ auger ☐ cable other _____

Hole size
17½ inch from 0 ft to 44 ft
15 inch from 44 ft to 199 ft
hole size continued
9⅞ inch from 199 ft to 365 ft
___ inch from ____ ft to ____ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing
Drive shoe (yes / no) Pitless adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
10"	Steel	+1'	199'	206'

Perforated or slotted casing? (yes / no)
Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Type	Depth Top	Depth Bottom	Amount
Cement			153 Sacks

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)
Explain _____

Pump installed? (yes / no) Date ____ / ____ / ____
Installer's name _____
Type of pump _____ Depth to intake _____ ft
Pump diameter _____ Rated capacity _____ GPM

Water information
Aquifer: ☐ sand/gravel ☐ limestone ☐ sandstone
Main water-supply zone from _____ ft to _____ ft
Final water level (static water level) 54 ft (below / above) GL.
Pumping water level _____ ft below GL; ☐ tape ☐ airline ☐ E-line
At yield of _____ GPM; ☐ orifice ☐ volumetric ☐ estimate Date _____

Water quality test? (yes / no) Date tested ____ / ____ / ____
Tested by _____
Test results _____

Contractor Shawver Well Co.
Address Fredericksburg, IA 50630
Driller Jim Bunting Certification no. 4012

white copy - Iowa DNR, Geological Survey Bureau blue copy - Well Contractor pink copy - Customer yellow copy - County Health Officer

Iowa Department of Natural Resources Geological Survey Bureau
109 Trowbridge Hall Iowa City, Ia. 52242-1319 PH (319) 335-1575

WELL RECORD #37363

Permit No. _____

Site identification

Property Owner City of Jesup Well Number _____
Address Jesup
Tenant _____
Well Depth 360' ft Date Completed 9 / 15 / 95

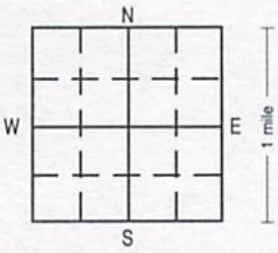
Location

County Buchanan

____mi. N/S and ____mi. E/W of intersection of _____ and _____

____1/4 of the ____1/4 of the ____1/4 of Sec ____ TWP 89 RNG 10 E/W

Show exact location of well in section grid with a dot (●).



Sketch map of well location on property



☐ upland ☐ hillside ☐ valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	24	Brown		Clay
24	36	Blue		"
36	41	Brown		"
41	60			Limerock
60	80			Shale
80	88	Gray		Limerock
88				Streak of shale
88	89	Gray		Limerock
89				Streak of shale
89	98	Gray		Limerock
98	140	Gray		"
140	148	Gray	Firm	Shale
148	160			Shale
160	165	light Gray		Limerock
165	192			Shale
192	330	Brown		Limerock
330	355	Light gray		Limerock
355	360			Shale

use additional sheets as needed

Remarks (including depth of lost drilling fluids, materials, or tools)

7" test well

Well use

☐ Domestic ☐ Municipal ☐ Industrial
☐ Livestock ☐ Public Supply ☐ Monitoring
☒ Test Well ☐ Irrigation ☐ Other _____ (explain)

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

12¼ inch from 0 ft to 41 ft
10 inch from 41 ft to 164 ft

hole size continued
6¼ inch from 164 ft to 360 ft
____ inch from ____ ft to ____ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe ((yes) / no) Pitless adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
7	Steel	+2	195	197

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? ((yes) / no)

Type	Depth Top	Depth Bottom	Amount
Bentonite	0	45	8 Sacks
			1 Sack Hole plug

Well screen? (yes / (no))

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? ((yes) / no)

Explain Air lift: 75 gpm at 155' 125 gpm at 200'
75 gpm at 175'

Pump installed? (yes / no)

Date ____ / ____ / ____
Installer's name _____
Type of pump _____ Depth to intake _____ ft
Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand/gravel ☒ limestone ☐ sandstone
Main water-supply zone from _____ ft to _____ ft
Final water level (static water level) 58 ft ((below) / above) GL.
Pumping water level _____ ft below GL; ☐ tape ☐ airline ☐ E-line
At yield of ____ GPM; ☐ orifice ☐ volumetric ☐ estimate Date _____

Water quality test? (yes / no)

Date tested ____ / ____ / ____
Tested by _____
Test results _____

Contractor Shriver Well Co., Inc.
Address Fredericksburg, IA 50630
Driller Jim Bunting Certification no. A0121

white copy - **Iowa DNR, Geological Survey Bureau** blue copy - **Well Contractor** pink copy - **Customer** yellow copy - **County Health Officer**

SHAWVER WELL CO., INC.
TEST PUMPING REPORT

Date: 9/26/95
Time: 13:58:35
Page: 1

Well Log NO: 9509231

#37363

Job Name: CITY OF JESUP

Location: BUCHANAN, PERRY

RE: TEST PUMPING WELL

STATIC WATER LEVEL AT START: 59'6"

DATE OF TEST PUMPING: 9/21/95

DATE / TIME	WATER LEVEL IN WELL	GALLONS PER MINUTE	HEAD IN INCHES	COMMENTS
10:00 A.M.	59'6"			
10:01 A.M.				RUSTY - DROPPED TOO FAST TO READ
10:02 A.M.				DROPPED TOO FAST TO READ
10:03 A.M.				DROPPED TOO FAST TO READ
10:04 A.M.				CLEARING
10:06 A.M.				CLEAR
10:10 A.M.	167.2	185	30.5	CLEAR
10:15 A.M.	168	182	29.5	
10:20 A.M.	169.7	182	29.5	
10:25 A.M.	168.10	182	29.5	
10:30 A.M.	168.11	182	29.5	
10:45 A.M.	169.10"	182	29.5	
11:00 A.M.	169.10	182	29.5	
11:15 A.M.	170'	182	29.5	
11:30 A.M.	170.2	182	29.5	
11:45 A.M.	170.7	180	29	
12:00 P.M.	170.11	180	29	
1:00 P.M.	171.11	180	29	
2:00 P.M.	173	179	28.5	
3:00 P.M.	173.3	179	28.5	
4:00 P.M.	173.10	179	28.5	

Well Log NO: 9509231

#37363

Job Name: CITY OF JESUP

Location: BUCHANAN, PERRY

RE: TEST PUMPING WELL

STATIC WATER LEVEL AT START: 59'6"

DATE OF TEST PUMPING: 9/21/95

DATE / TIME	WATER LEVEL IN WELL	GALLONS PER MINUTE	HEAD IN INCHES	COMMENTS
5:00 P.M.	174.2	179	28.5	
5:45 P.M.	174.2			SHUT PUMP DOWN
5:46 P.M.	84			RECOVERY TIME
5:47 P.M.	72			
5:48 P.M.	70			
5:49 P.M.	69			
5:50 P.M.	68.5			
5:51 P.M.	68.1			
5:52 P.M.	67.10			
5:53 P.M.	67.5			
5:54 P.M.	67.4			
5:55 P.M.	67.4			
5:56 P.M.	67.3			
5:57 P.M.	67.3			
5:58 P.M.	67.3			
5:59 P.M.	67.2			
6:00 P.M.	67.2			