

Permit No.

yellow copy - County Health Officer

WELL RECORD

Permit No. _____

Site Identification Property Owner <u>City of Barnard</u> Well Number _____ Address _____ Tenant _____ Well Depth _____ ft Date Completed <u>07 / 13 / 96</u>		Drill method ☐ rotary ☐ auger ☐ cable other _____ Hole size _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft hole size continued _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft Record all depth measurements from ground level (GL). Use (+) for above GL measurements.																																																																																																																		
Location County <u>Dubuque</u> _____ mi. N and _____ mi. E of Intersection of _____ and _____ _____ S _____ W _____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec <u>27</u> TWP _____ RNG _____ E _____ W Show exact location of well in section grid with a dot (•). Sketch map of well location on property		Casing Drive shoe (yes / no) _____ Pitless adaptor (yes / no) _____ <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Size (ID/OD)</th><th>Type / WI</th><th>Depth top</th><th>Depth bottom</th><th>Amount (length)</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> Perforated or slotted casing? (yes / no) Perforated / slotted from _____ ft to _____ ft Perforated / slotted from _____ ft to _____ ft Casing grouted? (yes / no) <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Type</th><th>Depth Top</th><th>Depth Bottom</th><th>Amount</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>		Size (ID/OD)	Type / WI	Depth top	Depth bottom	Amount (length)																					Type	Depth Top	Depth Bottom	Amount																																																																																				
Size (ID/OD)	Type / WI	Depth top	Depth bottom	Amount (length)																																																																																																																
Type	Depth Top	Depth Bottom	Amount																																																																																																																	
☐ upland ☐ hillside ☐ valley Elevation (if known) _____ Formation log <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>From</th><th>To</th><th>Color</th><th>Hardness</th><th>Formation description</th></tr></thead><tbody><tr><td>701</td><td>702</td><td> </td><td> </td><td>Shale</td></tr><tr><td>702</td><td>728</td><td>gray</td><td> </td><td>limerock</td></tr><tr><td>728</td><td>731</td><td> </td><td> </td><td>Sandstone</td></tr><tr><td>731</td><td>755</td><td>gray</td><td> </td><td>limerock</td></tr><tr><td>755</td><td>785</td><td>gray</td><td> </td><td>Rock</td></tr><tr><td>785</td><td>790</td><td> </td><td> </td><td>made water</td></tr><tr><td>790</td><td>825</td><td>buff</td><td> </td><td>Rock</td></tr><tr><td>825</td><td>850</td><td> </td><td> </td><td>limerock</td></tr><tr><td>850</td><td>855</td><td> </td><td> </td><td>Sandstone</td></tr><tr><td>855</td><td>898</td><td> </td><td> </td><td>made water</td></tr><tr><td>898</td><td>920</td><td> </td><td> </td><td>White Rock; Streaks of pyrite</td></tr><tr><td>920</td><td>995</td><td> </td><td> </td><td>Limerock</td></tr><tr><td>995</td><td>1015</td><td> </td><td> </td><td>Sandstone</td></tr><tr><td>1015</td><td>1035</td><td> </td><td> </td><td>L.R. w/ streaks Sandstone</td></tr><tr><td>1035</td><td>1085</td><td> </td><td> </td><td>Wk. S. stone, streaks rock</td></tr><tr><td>1085</td><td>1120</td><td>lt. Brown</td><td> </td><td>Limerock</td></tr><tr><td>1120</td><td> </td><td> </td><td> </td><td>made water</td></tr><tr><td>1120</td><td>1140</td><td>lt. Brown</td><td> </td><td>Limerock</td></tr></tbody></table> use additional sheets as needed		From	To	Color	Hardness	Formation description	701	702			Shale	702	728	gray		limerock	728	731			Sandstone	731	755	gray		limerock	755	785	gray		Rock	785	790			made water	790	825	buff		Rock	825	850			limerock	850	855			Sandstone	855	898			made water	898	920			White Rock; Streaks of pyrite	920	995			Limerock	995	1015			Sandstone	1015	1035			L.R. w/ streaks Sandstone	1035	1085			Wk. S. stone, streaks rock	1085	1120	lt. Brown		Limerock	1120				made water	1120	1140	lt. Brown		Limerock	Well screen? (yes / no) <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Diameter</th><th>Slot size</th><th>Depth Top</th><th>Depth Bottom</th><th>Length</th><th>Material</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> 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		Diameter	Slot size	Depth Top	Depth Bottom	Length	Material												
From	To	Color	Hardness	Formation description																																																																																																																
701	702			Shale																																																																																																																
702	728	gray		limerock																																																																																																																
728	731			Sandstone																																																																																																																
731	755	gray		limerock																																																																																																																
755	785	gray		Rock																																																																																																																
785	790			made water																																																																																																																
790	825	buff		Rock																																																																																																																
825	850			limerock																																																																																																																
850	855			Sandstone																																																																																																																
855	898			made water																																																																																																																
898	920			White Rock; Streaks of pyrite																																																																																																																
920	995			Limerock																																																																																																																
995	1015			Sandstone																																																																																																																
1015	1035			L.R. w/ streaks Sandstone																																																																																																																
1035	1085			Wk. S. stone, streaks rock																																																																																																																
1085	1120	lt. Brown		Limerock																																																																																																																
1120				made water																																																																																																																
1120	1140	lt. Brown		Limerock																																																																																																																
Diameter	Slot size	Depth Top	Depth Bottom	Length	Material																																																																																																															
Remarks (including depth of lost drilling fluids, materials, or tools) Well use <table style="width:100%;"><tr><td>☐ Domestic</td><td>☐ Municipal</td><td>☐ Industrial</td></tr><tr><td>☐ Livestock</td><td>☐ Public Supply</td><td>☐ Monitoring</td></tr><tr><td>☐ Test Well</td><td>☐ Irrigation</td><td>☐ Other _____ (explain)</td></tr></table>		☐ Domestic	☐ Municipal	☐ Industrial	☐ Livestock	☐ Public Supply	☐ Monitoring	☐ Test Well	☐ Irrigation	☐ Other _____ (explain)	Water information Aquifer: ☐ sand/gravel ☐ limestone ☐ sandstone Main water-supply zone from _____ ft to _____ ft Final water level (static water level) _____ 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 _____ Address _____ Driller _____ Certification no. _____																																																																																																									
☐ Domestic	☐ Municipal	☐ Industrial																																																																																																																		
☐ Livestock	☐ Public Supply	☐ Monitoring																																																																																																																		
☐ Test Well	☐ Irrigation	☐ Other _____ (explain)																																																																																																																		



Iowa Geological Survey
Phone: 1-319-335-1575
Fax: 1-319-335-2754

Site Record
Wnumber: 39183

Wnumber: 39183

Name Owner: *Bernard, City Of*

County: *Dubuque*

Quad map: *Bernard*

Location: *T87N R1E Sec. 27*

Elev:

Total depth: *1140*

Depth to bedrock: *71*

Driller: *Shawver Well Co.*

Date drilled: *July 13, 1996*

Site type: *Drilled hole*

Well type: *Municipal*

Sample type: *Chips*

Log data: *Drillers log Good*

Geologist:

Log Date:

Sample Location: *OD3-502->504, OD3-508*

Exit

Geology

Water Production

Casing

Driller's Log

*Need to record on
computer*