

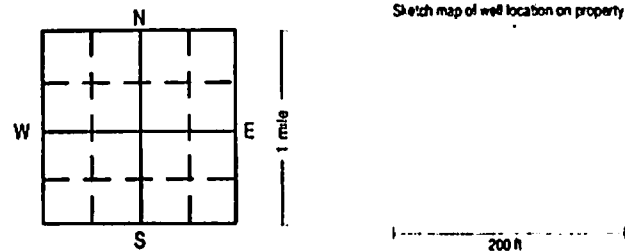
Site identification

Property Owner **CITY OF EVANSDALE IA** Well Number **NEW 5**
Address **EVANSDALE, IOWA**
Tenant _____
Well Depth **300** ft Date Completed **08 / 01 / 95**

Location

County **BLACK HAWK**
_____ mi. N and _____ mi. E of intersection of _____ and _____
SE 1/4 of the **SE** 1/4 of the _____ 1/4 of Sec **5** TWP **48** RNG **12** E

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



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

Formation log

From	To	Color	Hardness	Formation description
0	2	BLK		SANDY BLACK SOIL
2	10	BRN		BROWN SAND
10	21			BROWN SAND W/COBBLES
21	38			GRAY CLAY
38	40			LARGE GRAVEL & COBBLES
40	45			BROKEN LIMESTONE
45	48			SAND & GRAVEL
48	53			WEATHERED LIMESTONE
53	68			BROKEN LIMESTONE
68	880			BROKEN MED. LIMESTONE
80	87			BROKEN HARD LIMESTONE
87	93	GRY	HARD	SHALE LIMESTONE
93	123		HARD	BROWN LIMESTONE
123	143	GRY		LIMESTONE & SHALE
143	227	GRY	HARD	LIMESTONE
227	278	TAN	HARD	LIMESTONE
278	283	TAN		LIMESTONE
283	286	GRY		SHALE
286	291	BLU		SHALE
291	300			

use additional sheets as needed

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

Well use

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

Drill method

☐ rotary ☐ auger ☒ cable other _____

Hole size

20 inch from 0 ft to 153 ft
12 inch from 153 ft to 300 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.

Casing

Drive shoe (yes/no)

Pileless adaptor (yes/no)

Size (ID/OD)	Type / WI	Depth top	Depth bottom	Amount (length)
14"	STEEL	2'	148'	150'

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
NEAT CEMENT	GRD LEVEL	153'	10 C.Y.

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 **ACID INJECTION TO CLEAN BOREHOLE AND OPEN FRACTURES**

Pump installed? (yes/no)

Date **09 / 28 / 95**

Installer's name **DAN CRONIN**
Type of pump **SUBMERISBLE** Depth to intake **147** ft
Pump diameter **7"** Rated capacity **350** GPM

Water Information

Aquifer: ☐ sand/gravel ☒ limestone ☐ sandstone

Main water-supply zone from **227** ft to **286** ft

Final water level (static water level) **16** ft (below / above) GL.

Pumping water level **135** ft below GL; ☐ tape ☒ airline ☐ E-line

At yield of **300** GPM; ☒ orifice ☐ volumetric ☐ estimate Date _____

Water quality test? (yes/no)

Date tested _____ / _____ / _____

Tested by _____

Test results _____

Contractor **LAYNE-WESTERN**

Address **NORTH LIBERTY, IOWA**

Driller **WAYNE LAFONTAINE** Certification no. **40285**

WELL TEST DATA SHEET

Layne-Western Company, Inc.

PROFESSIONAL SERVICES FOR WATER SYSTEMS

4430 Commercial Avenue • Omaha, Nebraska 68110 • Phone: 402/451-2388

Job EVANSDALE, IOWA	Well No. 5	Date Tested 07-27-95
Location _____		Tested By JIM KNEIFL
Dia. of Well 14"		Driver 50 H.P.
Depth of Well 300	Pump Used:	Column and Shaft 6"
Length of Airline 150'		Bowls 1000S
Non-Pumping Level 16'		Manufacturer GRUNDFOS
Orifice Size 6 X 4		Serial No. _____

[illegible]



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Non-Pumping Level 16' Manufacturer GRUNDFOS
Orifice Size 6 X 4 Serial No. _____

Time	Piezometer Reading (in.)	G P M	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
4:30 PM		START-UP							
5:00		234		73	57				
6:00		331		127	111				
6:30		300				CHANGE			
7:00		300							
7:30		289		133	117				SAND
8:30		289		135	119				
9:00		256	CHANGE						
9:30		261		129	113				
10:30		261		129.5	113.5				
11:30		261		130	114				
12:30 AM		259		131	115				
1:30		261		131.5	115.5				
2:30		259		132	116				
3:30		261		132	116				
4:30		259		132.5	116.5				
5:30		259		132.5	116.5				
6:30		259		133	117				
7:30		259		133.5	117.5				
8:30		259		133.5	117.5				
9:30		259		133.5	117.5				
10:30		259		133.5	117.5				
11:30		259		133.5	117.5				
12:30		258		134	118				
1:30		258		134	118				