

John Devitt

WELL RECORD

Permit No. _____

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

Site identification
Property Owner City of Newell Well Number _____
Address Newell, Ia
Tenant _____
Well Depth 281 ft Date completed 6/2/07

Location
County Buena Vista
____ mi. N and ____ mi. E of intersection of _____ and _____
____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec ____ TWP ____ RING ____ 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	3'	Black		Silt
3'	10'	Yellow		clay
10'	77'	Gray		"
77'	82'	Yellow		"
82'	107'	Gray		"
107'	125'	Yellow		"
125'	210'	Gray		"
210'	232'	"	sandy	"
232'	235'	"		"
235'	239'	"		Sand
239'	252'	"		clay
252'	281'	"		Sand
281'	305'	"		clay
305'	307'	White		Limestone

use additional sheets as needed

Drill method ☒ rotary ☐ auger ☐ cable other _____
Hole size
18 inch from 0 ft to 305 ft
hole size continued _____ inch from _____ ft to _____ ft
____ 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 adapter (yes/no) _____

Size (ID/OD)	Type / Vt	Depth top	Depth bottom	Amount (length)
8" ID Steel		6'	252'	

Perforated or slotted casing? (yes/no) _____
Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft
Casing grouted? (yes/no) ☒ no Placement method Pressure

Type	Depth Top	Depth bottom	Amount (vol/wt)
Bentonite	10'	250'	1,800 lbs
Cement	250'	250'	2,000 lbs

Well screen? (yes/no) _____

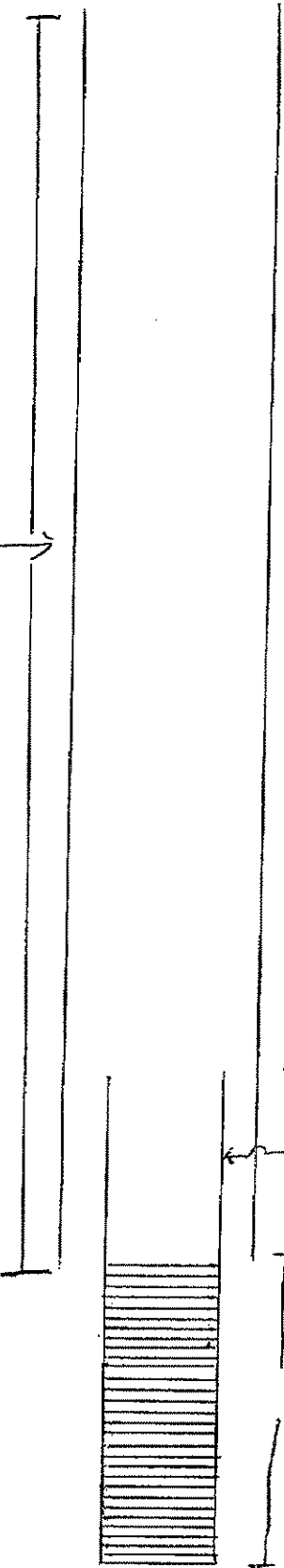
Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
4" ID	0.025	251'	281'	30'	SS
0. _____					

Bottom capped (yes/no) ☒ no with SS plate
Seals / Packers (yes/no) ☒ no kind _____ depth _____ ft
Gravel packed (yes/no) ☒ no from 231 ft to 281 ft
type Unimom amount 90 gallons
Well developed? (yes/no) _____
Explain _____
(pumped, airlifted, bailed) for _____ hrs at _____ GPM.
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 ☐ seepage well
Static water level _____ ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level _____ ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of _____ GPM; ☐ orifice ☐ volumetric ☐ estimate
Measurements taken at _____ (AM / PM) Date ____/____/____
Water quality test? (yes/no) _____ Date tested ____/____/____
Tested by _____
Well use
☐ Domestic ☐ Municipal ☐ Commercial
☐ Livestock ☒ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____ (explain) _____
Remarks (including depth of lost drilling fluids, materials, or tools)

Contractor Bresnahan Well Drilling
Address 5293 Hwy 175 Bottle Creek
Driller Ron Bresnahan Certification no. 1626

far[#] 732-6293

251'-8" steel pipe →



20'- 4" SS pipe

30'- 4" x 25 slot
SS screen

**NEWELL WELL #6
PUMP TEST
RETESTED 6/18/2007**

STATIC WATER LEVEL FEET	TIME (MINUTES)	Time of day	Pumping Rate
102.0	5	10:35 a.m.	230
119.0	10	10:40 a.m.	230
119.5	15	10:45 a.m.	230
121.0	20	10:50 a.m.	230
122.5	25	10:55 a.m.	230
123.0	30	11:00 a.m.	230
126.0	45	11:15 a.m.	230
128.5	60	11:30 a.m.	230
131.0	75	11:45 a.m.	230
133.0	90	12:00 p.m.	230
135.0	105	12:15 p.m.	230
135.5	120	12:30 p.m.	230
136.5	135	12:45 p.m.	230
137.0	150	1:00 p.m.	230
138.5	165	1:15 p.m.	230
138.5	180	1:30 p.m.	230
139.0	195	1:45 p.m.	230
139.5	210	2:00 p.m.	230
140.0	225	2:15 p.m.	230
140.5	240	2:30 p.m.	230

RECOVERY

128.5	1		0
128.0	2		0
127.5	3		0
126.8	5		0
126.3	7		0
125.5	10		0
125.0	12		0
124.5	15		0
124.0	17		0
122.0	30		0
118.3	60		0
115.5	90		0
115.3	120		0

NEWELL WELL #6
PUMP TEST
June 13, 2007

STATIC WATER LEVEL TIME (MINUTES) Time of day Pumping Rate
FEET

110	0	10:40 a.m.	260 GPM
133	20	11:00 a.m.	260 GPM
152	60	11:40 a.m.	260 GPM
153	80	12:00 p.m.	260 GPM
155	100	12:20 p.m.	260 GPM
157	120	12:40 p.m.	260 GPM
159	140	1:00 p.m .	260 GPM
162	160	1:20 p.m.	240 GPM
161	180	1:40 p.m.	240 GPM
163	200	2:00 p.m.	240 GPM
161	220	2:20 p.m.	240 GPM
163	240	2:40 p.m.	240 GPM
162	260	3:00 p.m.	240 GPM
162	280	3:20 pm..	240 GPM
161	300	3:40 p.m.	240 GPM
161	320	4:00 p.m.	240 GPM
163	340	4:30 p.m.	240 GPM
162	360	5:00 p.m.	240 GPM
163	380	5:30 p.m.	240 GPM

RECOVERY

152.0	1		
150.0	2		
149.5	3		
149.5	5		
149.0	7		
148.5	10		
148.0	12		
146.5	18		
146.0	17		
144.0	30	6:03 p.m.	
143.0	60	6:33 p.m.	
141.0	90	7:03 p.m.	
138.5	120	7:33 p.m.	



CONSULTING ENGINEERS		1725 N. LAKE AVENUE STORM LAKE, IOWA 52088 712-333-7745	
PROJECT NO.		DATE	
063356		08-06	
SHEET		1	
PROPOSED WELL NO. 6 LOCATION NEWELL, IOWA		12/21/21	
ENGINEER:		BY	
DESIGNER:		DATE	
DRAFTSMAN:		NO.	
TSM:		REVISIONS	
CHECKER:		BY	
JD:		DATE	