

#27214

Name: North Liberty city well No. 3 (1984)

Location NW SW SE SW 7-80N-6W Johnson Co.
East side of old Hwy 218 and southeast
of Penn School

Elevation 773' Topo map

Driller: Letta Well Drilling, Riverside

Dates: ^{start} 4/19/84 -

Drilling machine: Rotary Pontadrill

WELL RECORD

#27214

Well is located _____ miles S and _____ miles S from
 E E
 W W

_____ in _____
 (Nearest Town) (County)

in the _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ Sec. _____ T. _____ R. _____

Owner North Liberty Well No. 3

Postoffice address _____

Contractor Latta & Sons, Inc.

Address Riverside, Iowa 52327

Driller Don Latta

Well begun 4-17- _____, 1984

completed 5-1- _____, 1984

Rig used—Cable, Rotary, Jet, or _____

Depth of well 502' _____
 (Feet)

Size of hole (note total amount of each size) 12 $\frac{3}{4}$ "—

220' 7 $\frac{7}{8}$ "—282'

Main water supply at 260'—490' _____
 (Feet below surface)

Final water head _____
 (Feet above or below surface)

Is well pumped? _____

Yield _____
 (Gallons per minute)

Water level when pumping _____

Position of well Flat land _____
 (Upland, valley, side hill, etc.)

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type ^o and Weight of Pipe	DIAGRAM OF WELL
8 5/8 ⁰⁰	213'	220'	7'	Welded Sch 40 8" ID	

^oAs cast, wrought iron, steel, concrete, etc.

Is screen used? no Diameter _____ (Inches)

Length _____ (Feet) Depth to bottom _____

Depth to top _____ Slot size _____

Are packers or seals used? _____

Kind _____

Where used _____

Kind of pump _____ Dia. _____ (Inches)

Capacity of pump _____ (g.p.m.)

Power used _____ (Kind and amount)

Depth to bottom of pump line _____ feet,
including _____ feet tailpiece.

Remarks on construction of well _____

Glacial Irraddic @ 25'

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
1	0	5	5
2	5	10	5
3	10	15	5
4	15	20	5
5	20	25	5
6	25	30	5
7	30	35	5
8	35	40	
9	40	45	
10	45	50	
11	50	55	
12	55	60	
13	60	65	
14	65	70	
15	70	75	
16	75	80	
17	80	85	

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

0'-4' Gray-Brown s & clay T/sand + ^{gravel}

4'-17' Yellow Brown s & clay
w/ gravel

@ 12' large glacial irraddic.

17'-64' Blue Gray s & clay

w/ gravel

(Glacial Till)

BLUE CLAY

64'-68' Gray s & Sand w/ gravel

+ s & clay seams

68'-104' Lt. Greenish Gray Shale

(Lime Creek)

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
18	85	90	
19	90	100	
20	100	105	104'
21	105	110	
22	110	115	
23	115	120	
24	120	125	
25	125	130	
26	130	135	
27	135	140	
28	140	145	
29	145	150	
30	150	155	
31	155	160	
32	160	170	
33	170	175	
34	175	180	

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

Yellow Brown Limestone
(Cedar Valley)

SAMPLE
NO.

DEPTH

THICKNESS

From

To

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

355 - 360

360 365

365 370

370 375

375 380

380 385

385 390

390 395

395 400

400 405

405 410

410 415

415 420

420 425

425 430

430 435

435 440

Lt. Brown Limestone - Sylvania

SAMPLE
NO.

DEPTH

THICKNESS

From

To

440 445

445 450

450 455

455 460

460 465

465 470

470 475

475 480

480 485

485 490

490 495

495 500

500 502'

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

Lt. Brown Limestone - Sylurian

@ 497' Lt. Blue - Green Shale

(Maple Mill)

Maquoketa