

70895

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

WELL RECORD

Permit No. 2009-015W

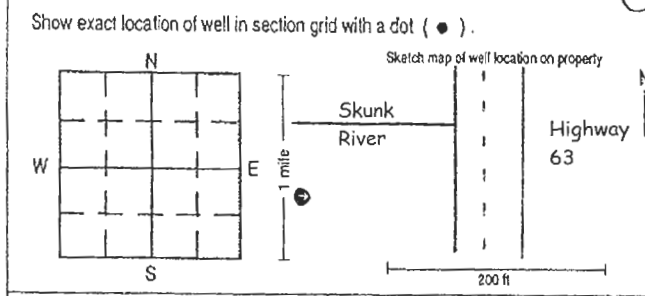
Site identification  
 Property Owner Water Works Well Number 35-08  
 Address 211 South First Street  
 Tenant Oskaloosa, Iowa 52577  
 Well Depth 47 ft Date Completed 09 / 17 / 09

Drill method  rotary  auger  cable other Reverse  
 Hole size 40 inch from 0 ft to 48 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 Mahaska  
 \_\_\_\_\_ mi. N and \_\_\_\_\_ mi. E of intersection of \_\_\_\_\_ and \_\_\_\_\_  
 \_\_\_\_\_ mi. S and \_\_\_\_\_ mi. W  
5W 1/4 of the NW 1/4 of the SE 1/4 of Sec 25 TWP 67N RNG 16 E W

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

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
24" OD	1/2 wall	+17	32'	49
	140 lbs.			



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

upland  hillside  valley Elevation (if known) \_\_\_\_\_

Casing grouted? (yes  no )

Type	Depth Top	Depth Bottom	Amount
Neat Cement	5'	13'	.5 yards

Formation log

From	To	Color	Hardness	Formation description
0'	5'	Blk		Blk top soil
5'	15'	Red		Sandy Clay
15'	20'	Brown		Sandy small gravel
20'	44'	Gray		Sandy small gravel
44'	46'			Small to medium with cobbles
46'	47'			Limestone

use additional sheets as needed

Well screen? (yes  no )

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
24"	.070	32'	47'	15	SS

Bottom capped (yes  no ) with 24" SS plate  
 Seals / Packers (yes  no ) kind Hole plug depth 13' - 14' ft  
 Gravel packed (yes  no ) from 14 ft to 48 ft  
 type #2 well pack amount 24,000 lbs.  
6 super sacks

Well developed? (yes  no )  
 Explain Double disc swabbed

Pump installed? (yes  no ) Date 5 / 5 / 2010  
 Installer's name Northway Well and Pump Company  
 Type of pump Turbine Depth to intake 56 ft  
 Pump diameter 10" Rated capacity 500 GPM

Water information Aquifer:  sand/gravel  limestone  sandstone  
 Main water-supply zone from 32 ft to 47 ft  
 Final water level (static water level) 9 ft (below / above) GL.  
 Pumping water level 28 ft below GL;  tape  airline  E-line  
 Meter  
 At yield of 800 GPM;  orifice  volumetric  estimate Date 2-25-2010

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

Water quality test? (yes  no ) Date tested \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Tested by Taken by Water Department  
 Test results \_\_\_\_\_

Well use  
 Domestic  Municipal  Industrial  
 Livestock  Public Supply  Monitoring  
 Test Well  Irrigation  Other \_\_\_\_\_ (explain)

Contractor Northway Well and Pump Company  
 Address 4895 8th Avenue - Marion, Iowa 52302  
 Driller Leon Carpenter Certification no. 1822

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# Northway Well and Pump Co.

4895 8th Avenue  
Marion, Iowa 52302  
319-377-6339  
1-800-747-6339

100 North 6th Street  
Waukee, Iowa 50263  
515-987-4575  
1-800-747-4575

## WELL TEST DATA REPORT

Customer City Water Works City Oskaloosa, Iowa  
 Location North Water Plant Hwy. 63 Well No. 35-08  
 Size Casing 24" Total Depth 47' Construction Stainless Steel Screen  
 Make Pump Goulds Model No. 14CHC /50 hp. No. of Stages 2  
 Diameter 12" Total Setting 35' Air Line Length 35'  
 Meter Used Propeller - Sparling Static Level 8.30 Ground Level

### Measurements from G.L.

DATE	TIME	GPM	P.L.	D.D.	S.C.	P.S.I.	TEMP DISCHARGE DESCRIPTION
2/24/10						36	Clear
PM	12:15	850	26.57	18.27	46.52	40	Clear
	12:22	800	25.70	17.40	45.97	40	Clear
	12:30	800	26.05	17.75	45.07	40	Clear
	12:45	800	26.20	17.90	44.69	40	Clear
	1:00	800	26.40	18.10	44.19	40	Clear
	1:15	800	26.50	18.20	43.95	40	Clear
	1:30	800	26.50	18.20	43.95	40	Clear
	1:45	800	26.60	18.30	43.71	40	Clear
	2:00	800	26.60	18.30	43.71	40	Clear
	2:15	800	26.70	18.40	43.47	40	Clear
	2:30	800	26.80	18.50	43.24	40	Clear
	3:00	800	27.00	18.70	42.78	40	Clear
	3:30	800	27.20	18.90	42.32	40	Clear
	4:00	800	27.24	18.94	42.23	40	Clear
	4:30	800	27.40	19.10	41.88	40	Clear
	5:00	800	27.50	19.20	41.66	40	Clear
	5:30	800	27.70	19.40	41.23	40	Clear
	6:00	800	27.75	19.45	41.13	40	Clear
	6:30	800	27.80	19.50	41.02	40	Clear
	7:00	800	27.90	19.60	40.81	40	Clear
	7:30	800	28.00	19.70	40.60	40	Clear
	8:00	800	28.10	19.80	40.40	40	Clear
	8:30	800	28.15	19.85	40.30	40	Clear
	9:00	800	28.20	19.90	40.20	40	Clear
	9:30	800	28.30	20.00	40.00	40	Clear
	10:00	800	28.40	20.10	39.80	40	Clear

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Location North Water Plant Hwy. 63 Well No. 35-08

DATE	TIME	GPM	P.L.	D.D.	S.C.	P.S.I.	TEMP DISCHARGE DESCRIPTION
	10:30	800	28.3	20.0	40.00	40	Clear
	11:00	800	28.2	19.90	40.20	40	Clear
	11:30	800	28.1	19.80	40.40	40	Clear
2/25/10	12:00am	800	28.0	19.70	40.60	40	Clear
	12:30	800	28.0	19.70	40.60	40	Clear
	1:00	800	27.95	19.65	40.71	40	Clear
	1:30	800	27.95	19.65	40.71	40	Clear
	2:00	800	27.90	19.60	40.81	40	Clear
	2:30	800	27.80	19.50	41.02	40	Clear
	3:00	800	27.80	19.50	41.02	40	Clear
	3:30	800	27.75	19.45	41.13	40	Clear
	4:00	800	27.70	19.40	41.23	40	Clear
	4:30	800	27.70	19.40	41.23	40	Clear
	5:00	800	27.70	19.40	41.23	40	Clear
	5:30	800	27.70	19.40	41.23	40	Clear
	6:00	800	27.65	19.35	41.34	40	Clear
	6:30	800	27.65	19.35	41.34	40	Clear
	7:00	800	27.72	19.42	41.19	40	Clear
	7:30	800	27.80	19.50	41.02	40	Clear
	8:00	800	28.05	19.75	40.50	40	Clear
	8:30	800	28.20	19.90	40.20	40	Clear
	9:00	800	28.30	20.00	40.00	40	Clear
	9:30	800	28.40	20.10	39.80	40	Clear
	10:00	800	28.45	20.15	39.70	40	Clear
	10:30	800	28.50	20.20	39.60	40	Clear
	11:00	800	28.50	20.20	39.60	40	Clear
	11:30	800	28.55	20.25	39.50	40	Clear

