

Well Information - Rock Wells



Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job Hiawatha Water Board Date 11/3/83

City Hiawatha, State Iowa

Well No: 5 Drillers: Wayne LaFontaine

Well Location: ft. () and ft. () of the corner of the 1/4 of Section , Twp. (), Range () County.

Otherwise located as S.E. Corner of Boyson Road & Center Point Road

Work Began: Work Completed: 11/1/83

Casing Record:

Table with 4 columns: Amount, Dia., Wt. or Thickness, Material. Row 1: 210', 10", .375, Steel with joints from to.

Hole Record:

16 inch from 0 to 205 & 5' Above ground
10 inch from 205 to 527 Total depth
inch from to
inch from to
inch from to bottom of hole

Cementing Record: 182 Sax

Well Test Data: Static Level 76 ; pumping level 191' after 20 hours pumping at 513 g.p.m.

Length of test 20 hrs. See Well Test Data Sheet Dated 10/27/83

Remarks:

SEE OTHER SIDE

WELL NO. 5
 HIAWATHA WATER BOARD
 HIAWATHA, IOWA

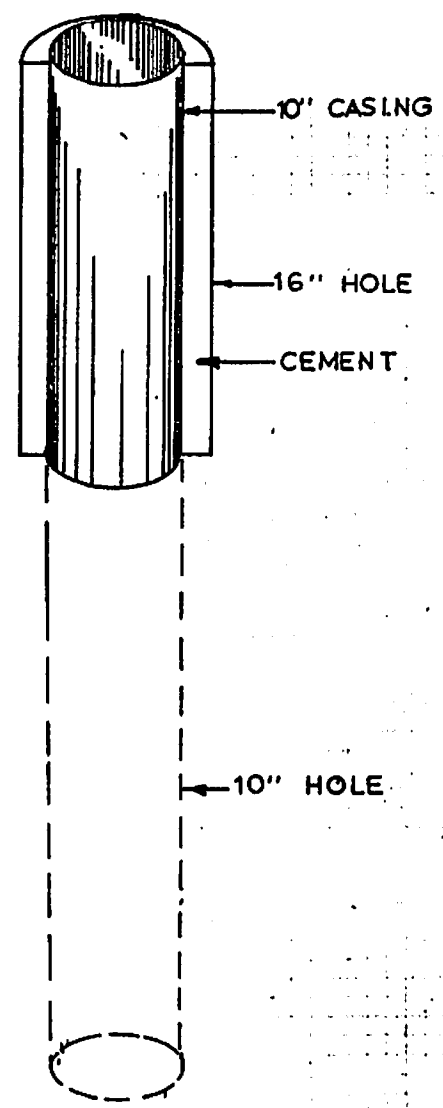
LW CO, INC. AMES, IA.

11-83

GEOLOGICAL LOG

CONSTRUCTION DETAIL

BLACK TOPSOIL, CLAY	8'	SURFACE +5'
BROWN LIMESTONE	53'	
GRAY LIMESTONE/DOLOMITE	76'	
MOSTLY BROWN AND GRAY DOLOMITE WITH SOME CHERT AND SHALE		205'
		527'



WELL TREATMENT REPORT



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Customer Hiawatha Address Hiawatha, Iowa

Date _____ Well No. 5 Pump No. _____ Well Depth 525'

Well Construction 10" Casing to 210' - 10" open hole to 525'

Overall Length of Pump 200' Length Air Line 200'

Pumping Test Before Treatment: Static Water Level 76 Size Orifice Used _____

Time	Orifice Reading (in.)	G. P. M.	Air Line Reading (ft.)	Drawdown (ft.)	Pumping Level (ft.)	Discharge Pressure (lbs.)	REMARKS
2:30	58	496		108	184		S.C. = 4.59

Describe Complete Treatment: Introduced 1250 gallons of 15% Muriatic Acid, blanket w/1250 allons water, seal top at pump head, surge for 5 hours.

Pumping Test After Treatment: Static Water Level 76 Size Orifice Used 6 x 4

When Test Was Made 10/25/83

Time	Orifice Reading (in.)	G. P. M.	Air Line Reading (ft.)	Drawdown (ft.)	Pumping Level (ft.)	Discharge Pressure (lbs.)	REMARKS
7:30	17.5	517	9	115	191		S.C. = 4.49

Supt. Name _____



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Job..... City of Hiawatha..... Well no..... 5..... Date Tested..... 10/26/83
 Location..... Hiawatha, Iowa..... Tested By..... LaFontaine
 Dia. of Well..... 10"..... Driver..... 671 Detroit
 Depth of Well..... 527'..... Pump Used:..... Column and Shaft..... 200 x 6 x 1½
 Length of Airline..... 200'..... Bowls..... THC 10, 10 Stage
 Non-Pumping Level..... 76'..... Manufacturer..... Well Line
 Orifice Size..... 6 x 4..... Serial No.....

Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
3:30	--	---	124	76	0				
3:45	26	620	48	152	76				
4:00	20.5	554	40	160	84				
4:15	25	608	24	176	100				
4:30	24	596	20	180	104				
4:45	22.5	578	17	183	107				
5:00	22	572	15	185	109				
5:15	21	560	10	190	114				
5:30	20.5	554	10	190	114				
5:45	20.5	554	10	190	114				
6:00	20	548	8	192	116				
6:15	19.5	542	6	194	118				
6:30	19.5	542	6	194	118				
6:45	17.5	517	9	191	115				
7:00	17.5	517	9	191	115				
7:15	17.5	517	9	191	115				
7:30	17.5	517	9	191	115				
7:45	17.5	517	9	191	115				
8:00	17.5	517	9	191	115				
8:15	17.5	517	9	191	115				
8:30	17.5	517	9	191	115				
8:45	17.5	517	9	191	115				
9:00	17.5	517	9	191	115				
9:15	17.5	517	9	191	115				
9:30	17.5	517	9	191	115				



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Job..... City of Hiawatha Well no..... 5 Date Tested..... 10/26/83 & 10/27/83.....
 Location..... Hiawatha, Iowa Tested By..... LaFontaine & Evans
 Dia. of Well..... 10" Driver..... 671 Detroit
 Depth of Well..... 527' Pump Used: Column and Shaft..... 200 x 6 x 1½
 Length of Airline..... 200' Bowls..... THC 10", 10 Stage
 Non-Pumping Level..... 76' Manufacturer..... Well Line
 Orifice Size..... 6 x 4 Serial No.....

Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
9:45	17.5	517	9	191	115				
10:00 PM	17.5	517	9	191	115				
10:30	17.5	517	9	191	115				
11:00	17.5	517	9	191	115				
11:30	17.5	517	9	191	115				
Midnight	17.5	517	9	191	115				
12:30	17.5	517	9	191	115				
1:00	17	510	9	191	115				
1:30	17	510	9	191	115				
2:00	17	510	9	191	115				
2:30	17	510	9	191	115				
3:00	17	513	9	191	115				
3:30	17	513	9	191	115				
4:00	17	513	9	191	115				
5:00	17	513	9	191	115				
6:00	17	513	9	191	115				
7:00	17	513	9	191	115				
8:00	17	513	9	191	115				
9:00	17	513	9	191	115				
10:00	17	513	9	191	115				
11:00	17	513	9	191	115				
12:00	17	513	9	191	115				
				RECOVERY					
10:35			9	191					
10:36			43	157					



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 Location..... Hiawatha, Iowa Tested By..... LaFontaine & Evans.....
 Dia. of Well..... 10" Driver..... 671 Detroit.....
 Depth of Well..... 527' Pump Used: Column and Shaft..... 200 x 6 x 1 1/2.....
 Length of Airline..... 200' Bowls..... THC 10", 10 Stage.....
 Non-Pumping Level..... 76' Manufacturer..... Well Line.....
 Orifice Size..... 6 x 4 Serial No.....

Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
10:37			44	156					
10:38			48	152					
10:39			51	149					
10:40			54	146					
10:41			56	144					
10:42			59	141					
10:43			61	139					
10:44			64	136					
10:45			66	134					
10:50			71	129					
10:55			75	125					
11:00			78	122					
11:15			85	115					
11:30			89	111					
11:45			93	107					
12:00			96	104					
12:30			100	100					
1:00			104	96					
400				84					
									Original SWL = 76

Iowa Department of Natural Resources

Abandoned Water Well Plugging Record

1. Owner: PWTS Well Number:

Name: <u>Water Works Department</u>	City: <u>Hiawatha</u>	State: <u>Iowa</u>
Address: <u>81 Emmons Street</u>	Zip: <u>52233</u>	Phone: <u>(319)393-1515</u>

If this was a Public Water Supply Well, please provide:

PWSID Name: <u>Well #5</u>	PWSID Number: <u>5735045</u>
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2. Well (Cistern) Location:

NE 1/4 of, SE 1/4 of, NW 1/4 of,	Section <u>32</u> ,	Twp. <u>84 N</u> ,	Range <u>7</u>	(circle one) <u>West</u> /East
Linn County,		Describe well location on property: <u>999 Boyson Road</u>		
GPS Well Location: Latitude		Longitude		

3. Description:

Well depth: <u>527</u> ft.	Casing material: <u>steel</u> , plastic, concrete, clay, brick, stone
Depth to water: <u>86</u> ft.	(circle one)
Casing diameter: <u>10</u> in.	Type of construction: <u>drilled</u> , driven, bored, dug, augered
Year or decade constructed: <u>1983</u>	(circle one)
Depth of casing: <u>210</u> ft.	Check <input type="checkbox"/> if this is a Monitoring Well Well ID _____
Check <input type="checkbox"/> if Cistern	depth: _____ ft. diameter: _____ ft.

I certify this well has been plugged as required by rule 567-39.8 of the Iowa Administrative Code (IAC). I agree to provide any additional information the county or department may need concerning this well.

Signature of Owner: Carl Rosenthal Date Plugged: 10/26/12

If plugged by certified well contractor, complete this box:

I have plugged this well as required by rule 567-39.8 of the Iowa Administrative Code (IAC).	
Signature of Contractor: <u>[Signature]</u>	Cert. No. <u>7173</u>


OR, if plugged by well owner, complete this box:

The property owner has plugged this well following requirements in rule 567-39.8 of the Iowa Administrative Code with the oversight and assistance of the designated county agent.	
Signature of County Agent: _____	Date Approved: _____

Eligible for Grants-to-Counties cost share: YES NO (Private Wells Only - Determined by County Agent)

Complete one form for each well plugged and submit within 30 days to the local county agent:

or, only if no county agent is available, to:

	Water Supply Section Iowa Department of Natural Resources 401 SW 7th Street, Suite M Des Moines, IA 50309-4611
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