

# Sargent Drilling

INDUSTRIAL ENGINEERING  
COMPLETE MUNICIPAL AND INDUSTRIAL  
WELL AND PUMP SERVICE

w76871

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## TEST HOLE LOG

CUSTOMER: City of Oyens, IA	
WELL ID:	
LOCATION: Oyens, IA	
LATITUDE: 42° 49' 16.4"	
LONGITUDE: 096° 03' 36.4"	
ELEVATION: 1305'	
FOOTAGES:	
DATE: 10-3-11	DRILLED BY: Scott, Blue and Chris

SWL:  
PWL:  
GPM: 247

<u>from feet</u>	<u>- to feet</u>	
0	12	Topsoil with sandy tan clay
12	20	Red cobble with fine, medium and coarse sand and fine, medium and coarse gravel with tan clay
20	21	Fine, medium and coarse sand and fine, medium and coarse gravel
21	26	Sandy tan clay
26	51	Gray clay with red cobbles
51	54	Fine, medium and coarse sand and fine, medium and coarse gravel
54	60	Gray clay with cobbles
60	70	Gray clay with fine, medium and coarse sand and fine and medium gravel
70	80	Gray clay with cobbles
80	88	Gray shale
88	95	Tan and brown shale
95	96	Blue shale
96	113	Fine, medium and coarse sand and fine gravel
113	120	Blue clay with tan shale strip
120	147	Sandy blue clay with fine, medium and coarse sand layer
147	157	Blue shale
157	160	Fine, medium and coarse sand
160	180	Blue fine and medium sand with sandy blue clay strip
180	197	Fine, medium and coarse sand and fine, medium and coarse gravel
197	200	Gray shale with cobbles
200	216	Gray shale with black shale strips
216	227	Brown shale
227	234	Gray shale with black and white shale strip
234	246	White shale

Received 01/07/2014

246	258	Gray shale with hard shale strips
258	259	Rock, Hard
259	273	Gray shale
273	279	White shale
279	281	Rock, Hard
281	300	Fine sandstone
300	320	Fine sandstone with gray shale strip
320	326	Fine sandstone
326	340	Gray shale

Well Depth: 328'

Bore Hole Dia: 13 1/2"

Plain casing: 300' of 6.25"

Perf. casing: 30' of 6"

slot size: .020

Gravel pack from 290' to 328'

Bentonite grout from 50' to 290'

Neat cement grout from 8' to 50'

Native soil from 0' to 8'

dh