

APPENDIX A:

Driller's Log
(Thein Well Co.)



THEIN WELL

WELLS - PUMPS
SALES - SERVICE

Since 1893

P.O. BOX 778, 11355 HWY. 71 NE (ACROSS FROM RINGO LAKE)

SPICER, MINNESOTA 56288 • (320) 796-2111

www.theinwell.com • E-mail: theinwell@tds.net

Well Log for

Ottertail Power Co

Date: 6/23/2017

Well Size: 5"
Casing Length: 612'
Screen Length: 60'
Total Well Depth: 679'
SWL: 258'

Geological Material	Color	From	To
Top Soil		0	3
Clay	Brown	3	15
Clay	Blue	15	51
Sand med		51	52
Clay / clay layers	Blue	52	58
Sand med		58	61
Clay		61	64
Gravel course med		64	67
Rock		67	73
Clay	Brown	73	82
Clay	Blue	82	103
Gravel		103	106
Clay sandy	Blue	106	177
Clay	Brown	177	186
Clay/ sand layers	Brown	186	192
Sand med		192	196
Clay /few sand layers		196	211
Clay/ w few thin sand layers	Blue	211	251
Sand Med		251	255
Clay sandy soft	Blue	256	296
Sand		296	298
Clay	Blue	298	307
Rock		307	309
Rocks and sand		309	315
Clay/ sandy	Brown	615	336
Gravel		336	340
Clay w/ sand and gravel layers	Blue	340	392
Clay and sand layers		392	416
Gravel fine		416	418
Clay		418	436
Sandy clay layers		436	440
Clay thin sand layers	Brown	440	451
Sand/ few brown clay layers		451	461
Clay brown soft		461	465
Sand		465	467
Clay	Brown	467	471
Sand/ thin clay layers		471	473
Clay	Blue	473	506
Clay some sand layers		506	526
Shale		526	556
Clay	Blue	556	561
Shale		561	572
Clay blue pebbling		572	615
Sand		615	617
Clay		617	618
Sand		618	619
Clay		619	621
Sand		621	623
Clay		623	625
Sandstone w/ sand layers		625	646
Sand med /fine		646	672
Clay		672	678
Sandstone		678	679

CLARA CITY, MN 56222 (320) 847-3207 • MONTICELLO, MN 55362 (763) 271-4200

CERTIFIED MASTER WATER WELL CONTRACTOR

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