

Appendix A
Previous Test Hole/Water Well Logs

Summary of Sections with Multiple Logs

Section	# of Logs	Well Depths (feet)	Type of Well	Screened Zone
17-4-8E	3	62 to 180	Screened	Confined Sand
6-5-8E	4	217 to 229	Open Hole	Limestone
9-5-8E	3	95 to 256	Screen (2)	Confined Sand
16-5-8E	2	164	Screen	Confined Sand
17-5-8E	2	230 to 235	Open Hole	Limestone
26-5-8E	2	96 to 125	Screen	Confined Sand
	3	216 to 245	Open Hole	Sandstone
27-5-8E	3	33 to 76	Screen	Confined Sand
	1	215	Open Hole	Limestone
28-5-8E	2	200	Open Hole	Limestone
31-5-8E	2	65 to 80	Screen	Unconfined Sand
32-5-8E	2	105 to 111	Screen	Confined Sand
	1	220	Open Hole	Limestone
33-5-8E	2	218 to 238	Open Hole	Limestone
35-5-8E	9	30 to 210	Screen	Confined Sand
	1	250	Screen	Sandstone
36-5-8E	1	24	Screen	Unconfined Sand
	5	50 to 190	Screen	Confined Sand
	1	215	Screen	Sandstone
1-6-8E	4	29 to 43	Screen	Unconfined Sand
	8	58 to 210	Screen	Confined Sand
	3	200 to 250	Open Hole	Limestone
2-6-8E	15	70 to 208	Screen	Confined Sand
	9	185 to 235	Screen	Sandstone
3-6-8E	3	23 to 32	Screen	Unconfined Sand
	2	94 to 103	Screen	Confined Sand
	8	158 to 210	Open Hole	Limestone
4-6-8E	1	27	Screen	Unconfined Sand
	1	136	Screen	Confined Sand
	2	160 to 195	Open Hole	Limestone
7-6-8E	2	70 to 155	Screen	Confined Sand
	3	180 to 198	Open Hole	Limestone
8-6-8E	2	45 to 110	Screen	Confined Sand
9-6-8E	3	173 to 192	Open Hole	Limestone
10-6-8E	1	90	Screen	Confined Sand
	6	167 to 200	Open Hole	Limestone
11-6-8E	1	95	Screen	Confined Sand
	2	200 to 260	Open Hole	Sandstone
15-6-8E	2	87 to 125	Screen	Confined Sand
	3	160 to 190	Open Hole	Limestone
16-6-8E	3	160 to 260	Open Hole	Limestone
17-6-8E	4	136 to 222	Open Hole	Limestone
22-4-9E	28	70 to 125	Screen	Confined Sand
27-4-9E	14	85 to 130	Screen	Confined Sand

LOCATION: SW14-4-8E
 OWNER: ELITE SWINE
 DRILLER: KIANSKY BROS. LTD.
 WELL NAME:
 WELL USE: PRODUCTION
 WATER USE: LIVESTOCK
 DATE COMPLETED: AUG 14, 1998
 WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	TOPSOIL
1.0	3.0	ORANGE SAND
3.0	8.0	SAND AND GRAVEL
8.0	30.0	SILTY SANDY TILL
30.0	85.0	SILTY SAND, CLAYEY LAYERS
85.0	97.0	FINE SILTY SAND
97.0	180.0	SOFT SANDY TILL WITH LAYER OF CLAY
180.0	195.0	COARSE GRAVEL AND BOULDERS, SILTED IN WITH CLAYEY MUCK
195.0	210.0	GREY SANDY AND GRAVELLY TILL
210.0	230.0	BROWN TILL
230.0	238.0	GREY WHITISH TILL WITH STONES, LIMESTONE
238.0	270.0	WHITE SANDSTONE, LOOSE AND SOLID LAYERS, WATER
270.0	290.0	GREEN AND RED SHALE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	239.0	CASING	5.00			INSERT PVC	
239.0	249.0	PERFORATIONS		4.00	0.015		WIRE WOUND S. S.
249.0	264.0	PERFORATIONS		3.00	0.015		WIRE WOUND S. S.
220.0	230.0	GRAVEL PACK					NO. 20-40 SILICA S.
220.0	230.0	CASING GROUT					BENTONITE
10.0	20.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: AUG 14, 1998
 PUMPING RATE: 150.0 IMP. GALLONS/MINUTE
 WATER LEVEL BEFORE PUMPING: 6.0 FT. BELOW GROUND
 PUMPING LEVEL AT END OF TEST: 10.0 FT. BELOW GROUND
 TEST DURATION: 2 HOURS, MINUTES
 WATER TEMPERATURE: ?? DEGREES F

REMARKS

S OF BLDG, BACKFILLED 20-220 FT

LOCATION: NE16-4-8E
OWNER: ELITE SWINE
DRILLER: KIANSKY BROS. LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: SEP 11, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	5.0	BACKFILL
5.0	10.0	YELLOW CLAYEY TILL
10.0	15.0	GREY TILL
15.0	20.0	GREY SAND
20.0	58.0	GREY TILL
58.0	61.0	BOULDER
61.0	100.0	GREY TILL
100.0	107.0	SAND
107.0	137.0	BROWN SAND
137.0	190.0	GREY TILL
190.0	210.0	BROWN TILL
210.0	225.0	LIMESTONE RUBBLE
225.0	245.0	GREEN SHALE
245.0	260.0	BROWN SANDSTONE, FINE, WATER
260.0	280.0	WHITE SANDSTONE, LOOSE, FINE, WATER
280.0	295.0	GREEN SHALE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	255.0	CASING	5.00			INSERT	PVC
255.0	275.0	PERFORATIONS		4.00	0.012		WIRE WOUND S. S.
245.0	295.0	GRAVEL PACK					NO. 20-40 SILICA S.
10.0	35.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: SEP 11, 1998
PUMPING RATE: 125.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 5.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 10.0 FT. BELOW GROUND
TEST DURATION: 5 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

50 FT S OF OFFICE BLDG, BACKFILLED 35-245 FT

LOCATION: SW17-4-8E

OWNER: M MARYNOWSKI

DRILLER: KIANSKY BROS.

WELL NAME:

WELL USE: PRODUCTION

WATER USE: LIVESTOCK

DATE COMPLETED: SEP 30, 1987

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	7.0	SAND
7.0	21.0	GREY CLAY
21.0	24.0	ORANGE SAND
24.0	41.0	GREY TILL
41.0	42.0	GRAVEL
42.0	147.9	GREY CLAY
147.9	163.9	FINE SAND WITH SOME CLAY
163.9	179.9	COARSE SAND WITH SOME GRAVEL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	165.9	CASING	4.00			INSERT	PVC
165.9	173.9	PERFORATIONS		2.00	0.010		WIRE WOUND S. S.
149.9	179.9	GRAVEL PACK					SILICA S.

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE: SEP 30, 1987

PUMPING RATE: 60.0 IMP. GALLONS/MINUTE

WATER LEVEL BEFORE PUMPING: 9.0 FT. BELOW GROUND

PUMPING LEVEL AT END OF TEST: 49.0 FT. BELOW GROUND

TEST DURATION: 2 HOURS, MINUTES

WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE33-4-8E
OWNER: ROSCO FARMS/VIELFAURE FARMS
DRILLER: KIANSKY BROS. LTD.

WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: OCT 05, 1999

WELL LOG

FROM To LOG

(FT.) (FT.)

0 1.0 TOPSOIL
1.0 5.0 SAND, ORANGE
5.0 20.0 LIGHT GREY CLAYEY TILL
20.0 35.0 DARK CLAYEY TILL
35.0 90.0 GREY TILL
90.0 180.0 SILTY SAND, VERY FINE, GREENISH GREY
180.0 195.0 BROWN TILL
195.0 200.0 LIGHT TILL
200.0 217.0 LIMESTONE
217.0 218.0 SOFT CLAYEY DIRTY LIMESTONE, 40 IGPM, PUMPED DIRTY
218.0 265.0 LIMESTONE
265.0 266.0 RED SHALE
266.0 267.0 GREEN SHALE
267.0 270.0 FIRMSANDSTONE
270.0 285.0 LOOSE SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	To (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	202.0	CASING	5.00		INSERT	PVC	
202.0	270.0	OPEN HOLE		4.80			
8.0	20.0	CASING GROUT					BENTONITE

TOP OF CASING: 3.0 FT. ABOVE GROUND

PUMPING TEST

DATE: OCT 05, 1999
PUMPING RATE: 150.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 8.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 9.0 FT. BELOW GROUND
TEST DURATION: 5 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

MOSSE MEADOWS RD, E OF PR.# 302, N OF BARN

LOCATION: NW1-5-8E

OWNER: ELITE SWINE - SUPER GRO
DRILLER: ECHO DRILLING LTD.
WELL NAME: HOG BARN
WELL USE: PRODUCTION
WATER USE: DOMESTIC,LIVESTOCK
DATE COMPLETED: OCT 17, 2001

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	18.0	SAND
18.0	29.0	GREY CLAY
29.0	35.0	SAND
35.0	67.0	GREY TILL
67.0	78.0	SAND
78.0	85.0	GREY TILL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	68.0	CASING	5.00	5.50	INSERT	PVC	
68.0	78.0	PERFORATIONS			0.015	S.S.	
65.0	85.0	GRAVEL PACK				SANDPACK	
10.0	65.0	CASING GROUT				BENTONITE	

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: OCT 17, 2001
PUMPING RATE: 15.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 19.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 55.0 FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE2-5-8E

OWNER: SUPER GRO GILTS LTD
DRILLER: KIANSKY BROS. LTD.
WELL NAME: WELL # 3 HOG BARN
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: DEC 17, 1995

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	12.0	SAND AND GRAVEL
12.0	27.0	GREY SAND
27.0	147.0	GREY STICKY CLAY
147.0	151.0	GREY SAND
151.0	171.0	GREY TILL WITH SAND LAYER
171.0	176.0	WHITE TILL
176.0	187.0	BROWN TILL
187.0	191.0	RED SHALE
191.0	218.0	BROWN LIMESTONE, PUMPED AT 9 IGPM
218.0	222.0	RED SHALE
222.0	223.0	GREEN SHALE
223.0	226.0	VERY LOOSE WHITE SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	193.0	CASING	5.00		INSERT	PVC	
193.0	226.0	OPEN HOLE		4.00			
19.0	25.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: DEC 19, 1995
PUMPING RATE: 28.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 18.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 18.0 FT. BELOW GROUND
TEST DURATION: 240 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

E OF BLDG, DEVELOPED LARGE CAVITY, PUMPED WELL AT 120 IGPM FOR 15 HRS

LOCATION: NE3-5-8E

OWNER: DICK STEWART & ROGER LAGE
DRILLER: KIANSKY BROS. LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC, LIVESTOCK
DATE COMPLETED: AUG 20, 1997

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	9.0	SAND
9.0	16.0	BROWN TILL
16.0	94.0	GREY TILL
94.0	98.0	SAND
98.0	162.0	GREY TILL AND SAND LAYERS
162.0	180.0	DARK GREY CLAY
180.0	191.0	WHITE TILL
191.0	211.0	LIMESTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	192.0	CASING	5.00		INSERT	PVC	
192.0	211.0	OPEN HOLE		4.00			
18.0	26.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: AUG 20, 1997
PUMPING RATE: 30.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 6.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 90.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE4-5-8E

OWNER: K CRANCH
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: MAY 16, 1973

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	20.0	SAND
20.0	35.0	HARDPAN
35.0	40.0	SAND&GRAVEL
40.0	98.9	HARDPAN&BLUE CLAY
98.9	99.9	GRAVEL
99.9	164.9	FINE SILTY SAND
164.9	185.9	HARD BLUE CLAY
185.9	196.9	BROWN HARDPAN
196.9	224.9	RED LIMESTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	198.9	CASING	4.50		INSERT	STEEL	
198.9	224.9	OPENHOLE	3.80				

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 15.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 10.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 20.0 FT. BELOW GROUND
TEST DURATION: 12 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SW6-5-8E

OWNER: VIELFAURE FARMS
DRILLER: KIANSKY BROS. LTD.
WELL NAME: ISOWEAN BARNS
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: JUL 10, 1996

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	43.0	SAND
43.0	45.0	SAND AND CLAY
45.0	76.0	GREY TILL
76.0	84.0	GREY SAND
84.0	101.0	GREY TILL
101.0	127.0	GREY FINE SAND
127.0	156.0	SOFT GREY CLAY
156.0	196.0	HARD GREY SANDY CLAY
196.0	213.0	GRAVELLY TILL AND RED SHALE
213.0	229.0	RED LIMESTONE, LARGE FRACTURE AT 228 FEET WITH SOME SHALE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	215.0	CASING	5.00		INSERT	PVC	
215.0	229.0	OPEN HOLE		4.00			
0	43.0	CASING GROUT					CEMENT

TOP OF CASING: 3.0 FT. ABOVE GROUND

PUMPING TEST

DATE: JUL 10, 1996
PUMPING RATE: 60.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 14.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 90.0 FT. BELOW GROUND
TEST DURATION: 2 HOURS, 30 MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NW9-5- 8E

OWNER: ELITE SWINE
DRILLER: KIANSKY BROS. LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: JUN 23, 1994

WELL LOG

FROM TO LOG
(FT.) (FT.)

0 1.0 BLACK CLAY
1.0 16.0 BROWN CLAY
16.0 57.0 GREY CLAY
57.0 88.9 LIGHT GREY TILL
88.9 92.9 BROWN TILL
92.9 99.9 LIGHT GREEN SHALE
99.9 102.9 PURPLE SHALE
102.9 112.9 TURQUOISE SHALE
112.9 209.9 DARK BROWN SOFT PEAT MOSS OR SILT, CUTTING VERY LIGHT
WITH WHAT LOOKED LIKE DECOMPOSED GRASS (SINKHOLE)
209.9 214.9 DARK GREY CLAY
214.9 255.8 LIMESTONE, YELLOW AND GREEN, FIRST 6 FEET OF LIMESTONE
WAS FILLED FULL OF SMALL FOSSILS

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	216.9	CASING	5.00		INSERT	PVC	
216.9	255.8	OPEN HOLE		4.50			
0	0	CASING GROUT				CASING	

TOP OF CASING: 3.0 FT. BELOW GROUND

PUMPING TEST

DATE: JUL 01, 1994
PUMPING RATE: 90.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 16.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 49.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, 30 MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE10-5-8E

OWNER: CMARTINS
DRILLER: ECHO DRILLING LTD.
WELL NAME: MRGQI NE10-5-8E
WELL USE: PRODUCTION
WATER USE: DOMESTIC,LIVESTOCK
DATE COMPLETED: NOV 17, 1993

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	60.0	GREY TILL
60.0	139.9	SANDY TILL
139.9	174.9	GRAVEL
174.9	209.9	LIMESTONE
209.9	214.9	SHALE
214.9	237.8	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	176.9	CASING	5.00			INSERT PVC	
176.9	237.8	OPENHOLE		4.00			

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 75.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 6.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 70.0 FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

MRGQI

LOCATION: NE11-5-8E

OWNER: K CRANCH
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: JUN 09, 1973

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	35.0	SAND
35.0	122.9	HARDPAN BLUE
122.9	127.9	SAND
127.9	178.9	HARDPAN BLUE
178.9	214.9	LIMESTONE RED & GREY
214.9	219.9	RED SHALE
219.9	254.8	SILICA SAND

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	182.9	CASING	4.00			INSERT	BLACK IRON
182.9	254.8	OPEN HOLE		4.00			

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 30.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 10.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 15.0 FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE15-5-8E

OWNER: S KAMPE
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: SEP 13, 1988

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	6.0	SAND
6.0	11.0	TILL
11.0	13.0	GRAVEL
13.0	168.9	TILL WITH SAND AND GRAVEL STRINGERS
168.9	179.9	LIMESTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	169.9	CASING	4.20			INSERT	BLACK IRON
169.9	179.9	OPEN HOLE		4.00			

TOP OF CASING: 1.5 FT. BELOW GROUND

PUMPING TEST

DATE: SEP 13, 1988
PUMPING RATE: 25.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 11.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 18.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE16-5-8E

OWNER: POURCHERIER GAUTHIER
DRILLER: KIANSKY BROS. LTD.
WELL NAME: WELL # 1 HOG BARN
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: SEP 02, 1997

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	3.0	SAND AND GRAVEL
3.0	42.0	HARD GREY TILL
42.0	128.0	SAND AND GRAVEL
128.0	164.0	GREY SHALE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	140.0	CASING	5.00			INSERT	PVC
140.0	164.0	PERFORATIONS		4.00	0.012		WIRE WOUND S.S.
131.0	162.0	GRAVEL PACK					SILICAS.
0	40.0	CASING GROUT					CEMENT

TOP OF CASING: 3.0 FT. ABOVE GROUND

PUMPING TEST

DATE: SEP 02, 1997
PUMPING RATE: 90.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 12.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 121.0 FT. BELOW GROUND
TEST DURATION: 4 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

E OF BARN, N OF WELL # 2

LOCATION: SE16-5-8E

OWNER: POURCHERIER GAUTHIER
DRILLER: KIANSKY BROS. LTD.
WELL NAME: WELL # 2 HOG BARN
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: SEP 24, 1997

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	4.0	SAND AND GRAVEL
4.0	10.0	WHITE TILL
10.0	27.0	GREY SANDY SOFT TILL
27.0	44.0	HARD GREY TILL
44.0	126.0	HARD GREY TILL AND BOULDERS
126.0	159.0	COARSE BROWN SAND AND SOME FINE GRAVEL
159.0	164.0	SILTY LIGHT GREY TILL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	137.0	CASING	5.00			INSERT	PVC
137.0	157.0	PERFORATIONS		4.00	0.015		WIRE WOUND S. S.
0	45.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: SEP 24, 1997
PUMPING RATE: 120.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 6.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 125.0 FT. BELOW GROUND
TEST DURATION: 3 HOURS, 45 MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

E SE END OF BARN, S OF WELL # 1

LOCATION: NW17-5-8E

OWNER: PONDEROSA FINISHING (2001) LTD
DRILLER: ECHO DRILLING LTD.
WELL NAME: WELL # 1 WEST WELL
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: MAY 23, 2002

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	16.0	GREY TILL
16.0	19.0	SAND
19.0	25.0	GRAVELLY BROWN TILL
25.0	70.0	BROWN TILL
70.0	133.0	CLAY TILL
133.0	151.0	SANDY TILL
151.0	158.0	GRAVEL
158.0	171.0	BROWN SANDY TILL
171.0	179.0	DARK BROWN TILL
179.0	235.0	LIMESTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	183.0	CASING	5.00		INSERT	PVC	
183.0	235.0	OPEN HOLE		4.50			
10.0	80.0	CASING GROUT				CEMENT	

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: MAY 23, 2002
PUMPING RATE: 50.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 5.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 25.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS
WEST WELL

LOCATION: NW18-5-8E

OWNER: THREE SHOES HORSE RANCH

DRILLER: ECHO DRILLING LTD.

WELL NAME:

WELL USE: PRODUCTION

WATER USE: DOMESTIC

DATE COMPLETED: MAY 01, 2000

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	10.0	SAND AND GRAVEL
10.0	43.0	BROWN TILL
43.0	195.0	GREY TILL
195.0	218.0	LIMESTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	197.0	CASING	5.00		INSERT		PVC
197.0	218.0	OPEN HOLE		4.00			
10.0	197.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: MAY 01, 2000

PUMPING RATE: 100.0 IMP. GALLONS/MINUTE

WATER LEVEL BEFORE PUMPING: 12.0 FT. BELOW GROUND

PUMPING LEVEL AT END OF TEST: 80.0 FT. BELOW GROUND

TEST DURATION: ??? HOURS, ?? MINUTES

WATER TEMPERATURE: ?? DEGREES F

LOCATION: SW19-5-8E

OWNER: BACK BUSHBEEF/JIMPOTERS

DRILLER: ECHO DRILLING LTD.

WELL NAME:

WELL USE: PRODUCTION

WATER USE: DOMESTIC,LIVESTOCK

DATE COMPLETED: NOV 12, 1996

WELL LOG

FROM TO LOG

(FT.) (FT.)

0 1.0 SOD AND BLACK LOAM
1.0 3.0 BROWN TILL
3.0 7.0 GRAVEL
7.0 15.0 GREY TILL
15.0 57.0 FINE TO COARSE GRAVEL
57.0 65.0 GREY TILL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	45.0	CASING	5.00		INSERT	PVC	
45.0	55.0	PERFORATIONS		5.00	0.015	WIRE WOUND	S. S.
40.0	55.0	GRAVEL PACK				NO. 10-30	SILICA S.
5.0	40.0	CASING GROUT					BENTONITE

TOP OF CASING: 1.5 FT. ABOVE GROUND

PUMPING TEST

DATE: NOV 12, 1996
PUMPING RATE: 100.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 3.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 40.0 FT. BELOW GROUND
TEST DURATION: 2 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE20-5-8E

OWNER: VL4 FARMS
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC,LIVESTOCK
DATE COMPLETED: JUN 30, 1997

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	SOD AND BROWN LOAM
1.0	9.0	SANDY BROWN TILL
9.0	17.0	COARSE BROWN SAND WITH ROCKS
17.0	20.0	GREY TILL
20.0	55.0	COARSE GREY-BLACK SAND
55.0	62.0	GREY TILL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	45.0	CASING	5.00			INSERT	PVC
45.0	55.0	PERFORATIONS			0.015	WIRE WOUND	S.S.
35.0	55.0	GRAVEL PACK				NO. 10-30	SILICA S.
15.0	30.0	CASING GROUT					CEMENT

TOP OF CASING: 2.5 FT. ABOVE GROUND

PUMPING TEST

DATE: JUN 30, 1997
PUMPING RATE: 35.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 3.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 28.0 FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NW21-5-8E

OWNER: BILL CUDNEY
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: FEB 14, 1996

WELL LOG

FROM To LOG
(FT.) (FT.)
0 7.0 MEDIUM BROWN SAND
7.0 19.0 BROWN ROCKY TILL
19.0 31.0 GREY TILL
31.0 63.0 FINE TO MEDIUM GREY-BLACK SAND
63.0 67.0 GREY TILL

WELL CONSTRUCTION

FROM (FT.)	To (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	55.0	CASING	5.00			INSERT	PVC
55.0	60.0	PERFORATIONS		5.00	0.015		WIRE WOUND S. S.
50.0	60.0	GRAVEL PACK					NO. 10-30 SILICA S.

TOP OF CASING: 2.0 FT. ABOVE GROUND

~~PUMPING TEST~~

DATE: FEB 14, 1996
PUMPING RATE: 12.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 6.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 50.0 FT. BELOW GROUND
TEST DURATION: 2 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE21-5-8E

OWNER: FRONTIER FARMS
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: OCT 17, 1978

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	4.0	SAND
4.0	169.9	TILL
169.9	203.9	LIMESTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	174.9	CASING	4.25			INSERT	BLACK IRON
174.9	203.9	OPEN HOLE		4.00			

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 100.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 9.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 11.0 FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SW22-5-8E

OWNER: A BAUMGARTNER
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC,LIVESTOCK
DATE COMPLETED: AUG 22, 1988

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	46.0	SAND
46.0	78.9	SILT
78.9	150.9	TILL WITHSAND LENSES
150.9	162.9	CLAY
162.9	170.9	BROWN TILL
170.9	213.9	LIMESTONE
213.9	221.9	SHALE
221.9	239.8	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	171.9	CASING	4.20			INSERT	BLACK IRON
171.9	239.8	OPEN HOLE		4.00			

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE: AUG 22, 1988
PUMPING RATE: 20.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 17.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 60.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE23-5-8E

OWNER: LEO CYR
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: DEC 07, 1999

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	SOD AND BLACK LOAM
1.0	14.0	MEDIUM BROWN SAND
14.0	19.0	GREY CLAY
19.0	23.0	GREY TILL
23.0	25.0	GREY SAND
25.0	79.0	DARK GREY SILTY TILL
79.0	87.0	LIGHT GREY TILL WITH ROCKS
87.0	143.0	SOFT GREY CLAY
143.0	151.0	GREY ROCKY TILL
151.0	154.0	GRAVEL
154.0	199.0	GREY ROCKY TILL
199.0	204.0	RED SHALE
204.0	206.0	BLUE GREEN SHALE
206.0	230.0	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	210.0	CASING	5.00			INSERT	PVC
210.0	225.0	PERFORATIONS			0.015		WIRE WOUND S. S.
200.0	230.0	GRAVEL PACK					SILICA S.
25.0	50.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: DEC 07, 1999
PUMPING RATE: 25.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 6.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 26.0 FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE23-5-8E

OWNER: WLASKO
DRILLER: EMIL MANKEY & SON
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC, LIVESTOCK
DATE COMPLETED: JUL 14, 1978

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	9.0	FINE YELLOW SAND
9.0	11.0	SAND AND GRAVEL
11.0	42.0	GREY SANDY CLAY WITH STONES
42.0	56.0	SAND AND GRAVEL
56.0	119.9	GREY SANDY CLAY WITH STONES
119.9	132.9	SAND AND GRAVEL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	122.9	CASING	4.10			INSERT	BLACK IRON
122.9	132.9	PERFORATIONS	3.00		0.015	WIRE WOUND	S. S.
0	0	GRAVEL PACK					SILICA S.

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 10.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 10.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 114.9 FT. BELOW GROUND
TEST DURATION: 48 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SW23-5-8E

OWNER: WELLS BROS
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC, LIVESTOCK
DATE COMPLETED: SEP 19, 1979

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	5.0	SAND
5.0	104.9	TILL AND SAND LAYERS
104.9	179.9	SAND, FINE TO COARSE
179.9	219.9	GREY TILL
219.9	224.9	BROWN TILL
224.9	239.8	RED SHALE AND GREY SHALE
239.8	259.8	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	239.8	CASING	4.25		INSERT	BLACK IRON	
239.8	259.8	OPEN HOLE		6.00			

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE: SEP 19, 1979
PUMPING RATE: 15.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 9.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 12.0 FT. BELOW GROUND
TEST DURATION: 2 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NW24-5-8E

OWNER: J GROLI
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: AUG 05, 1994

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	15.0	SAND
15.0	30.0	CLAY
30.0	48.0	TILL
48.0	63.0	SILT
63.0	70.0	GRAVEL
70.0	89.9	TILL
89.9	125.9	SILTY SAND
125.9	134.9	TILL
134.9	149.9	GRAVEL
149.9	171.9	TILL
171.9	177.9	LIMESTONE
177.9	179.9	SHALE
179.9	216.9	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	174.9	CASING	5.00		INSERT	PVC	
174.9	216.9	OPEN HOLE		4.00			

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE: AUG 05, 1994
PUMPING RATE: 50.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 10.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 50.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE26-5-8E

OWNER: G MULDER
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC,LIVESTOCK
DATE COMPLETED: AUG 22, 1973

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	38.0	SAND-LAYER OF CLAY
38.0	73.0	CLAY&HARDPAN
73.0	181.9	FINE SAND LAYER OF CLAY
181.9	211.9	LIMESTONE
211.9	234.8	SAND STONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	194.9	CASING	4.00			INSERT	BLACK IRON
195.9	234.8	OPEN HOLE		4.00			

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 20.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 7.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 22.0 FT. BELOW GROUND
TEST DURATION: 4 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE27-5-8E

OWNER: OKIESMAN
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: JUN 18, 1971

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	18.0	SAND
18.0	23.0	TILL
23.0	38.0	SAND
38.0	41.0	TILL
41.0	53.0	SAND
53.0	152.9	TILL AND BOULDERS
152.9	198.9	LIMESTONE
198.9	214.9	RED SHALE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	155.6	CASING	4.00				
155.6	214.9	OPEN HOLE					

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE: JUN 18, 1971
PUMPING RATE: 10.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 5.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 18.0 FT. BELOW GROUND
TEST DURATION: 18 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

GROUND LEVEL ELEV EST 995 FT

LOCATION: NW28-5-8E

OWNER: F FELNHOFER
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC, AIR CONDITIONING
DATE COMPLETED: JUL 27, 1993

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	23.0	MEDIUM BROWN SAND
23.0	45.0	GREY CLAY
45.0	108.9	GREY TILL
108.9	146.9	MEDIUM GREY-BLACK SAND
146.9	165.9	DARK BROWN TILL
165.9	194.9	LIMESTONE
194.9	195.9	SHALE
195.9	199.9	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	168.9	CASING	5.00		INSERT	PVC	
168.9	199.9	OPEN HOLE		4.00			

TOP OF CASING: 2.5 FT. BELOW GROUND

PUMPING TEST

DATE: JUL 27, 1993
PUMPING RATE: 30.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 17.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 25.0 FT. BELOW GROUND
TEST DURATION: 2 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE30-5-8E

OWNER: R LOEPPKY
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: MAY 31, 1991

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	5.0	CLAY
5.0	16.0	TILL
16.0	21.0	FINE SAND
21.0	135.9	GREY TILL
135.9	152.9	FINE SILT
152.9	175.9	GREY TILL
175.9	199.9	LIMESTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	179.9	CASING	5.00			INSERT	PVC
179.9	199.9	OPEN HOLE		4.80			

TOP OF CASING: 1.5 FT. BELOW GROUND

PUMPING TEST

DATE: MAY 31, 1991
PUMPING RATE: 30.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 13.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 15.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

MANITOBA MUZZLE LOADING

LOCATION: SW31-5-8E

OWNER: SUPER-GRO GILTS LTD
DRILLER: KIANSKY BROS. LTD.
WELL NAME: WELL # 2 HOG BARN
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: MAY 05, 1995

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	6.0	SAND AND FINE GRAVEL
6.0	30.0	SAND AND BOULDERS
30.0	59.0	SAND AND GRAVEL
59.0	80.0	GRAVEL AND FINE BROWN SAND

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	50.0	CASING	5.00			INSERT	PVC
50.0	60.0	PERFORATIONS		3.00	0.015		WIRE WOUND PVC
40.0	64.0	GRAVEL PACK					SILICA S.
6.0	20.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: MAY 05, 1995
PUMPING RATE: 22.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 12.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 36.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, 20 MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

SUPER GROW GILTS, TESTED 68-78 AT 8 IGPM

LOCATION: NE32-5-8E

OWNER: R FLEMING
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: JUL 21, 1989

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	17.0	BROWNSAND
17.0	23.0	BROWN TILL
23.0	41.0	SOFT GREY CLAY
41.0	72.0	GREY TILL WITH SAND STRINGERS
72.0	78.9	COARSE SAND
78.9	137.9	GREY TILL WITH FINE GRAVEL STRINGERS AND GRANITE ROCK
137.9	190.9	LIMESTONE
190.9	198.9	RED SHALE
198.9	203.9	BLUEGREEN SHALE
203.9	219.9	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	158.9	CASING	4.20			INSERT	BLACK IRON
158.9	219.9	OPEN HOLE		4.00			

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE: JUL 21, 1989
PUMPING RATE: 15.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 11.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 25.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: 33-5-8E

OWNER: J HIEBERT
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: JUN 15, 1993

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	5.0	SAND
5.0	27.0	FINE GREY SAND
27.0	40.0	SOFT GREY CLAY
40.0	157.9	TILL, BOULDERS FROM 128-145 FEET
157.9	199.9	LIMESTONE
199.9	209.9	SHALE
209.9	237.8	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	159.9	CASING	5.00		INSERT	PVC	
159.9	237.8	OPEN HOLE		4.00			

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 75.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 10.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 60.0 FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NW35-5-8E

OWNER: KEITHBRAUN
DRILLER: ECHO DRILLING LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: FEB 03, 1997

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	12.0	FINE BROWN SAND
12.0	28.0	MEDIUM GREY SAND
28.0	66.0	SOFT GREY CLAY
66.0	185.0	GREY TILL WITH SAND STRINGERS
185.0	195.0	GREY CLAY
195.0	207.0	GREY TILL
207.0	250.0	SANDSTONE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	221.0	CASING	5.00			INSERT	PVC
221.0	231.0	PERFORATIONS			0.015		
210.0	230.0	GRAVEL PACK					
30.0	65.0	CASING GROUT					

TOP OF CASING: 2.5 FT. ABOVE GROUND

PUMPING TEST

DATE: FEB 03, 1997
PUMPING RATE: 12.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 6.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 49.0 FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE36-5-8E

OWNER: ERIC WIENS
DRILLER: KIANSKY BROS. LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: LIVESTOCK
DATE COMPLETED: SEP 29, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	TOPSOIL
1.0	10.0	SAND
10.0	20.0	GREY SOFT CLAY
20.0	39.0	FINE SAND
39.0	82.0	GREY CLAYEY TILL
82.0	100.0	WHITE AND GREY SOFT TILL
100.0	180.0	GREY SOFT STICKY TILL
180.0	190.0	FIRM GREY TILL
190.0	210.0	WHITE LOOSE SANDSTONE, WATER
210.0	215.0	FIRM SANDSTONE, WATER

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	194.0	CASING	5.00		INSERT	PVC	
194.0	204.0	PERFORATIONS		3.00	0.015	WIRE WOUND	PVC
10.0	20.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: SEP 29, 1998
PUMPING RATE: 100.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 4.0 FT. ABOVE GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

SW CORNER OF HWY # 52 & HWY # 13, FE =.75, H=8, BACKFILLED 20-194 FT

LOCATION: 1-6-8E

Owner: JACOB SIEMANS
Driller: Echo Drilling Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
Date Completed: 2003 Dec 01

WELL LOG

From (ft.)	To (ft.)	Log
0	23.0	SAND
23.0	58.0	SOFT CLAY
58.0	71.0	SANDY TILL
71.0	93.0	GREY TILL
93.0	118.0	GREY CLAY
118.0	158.0	GREY TILL
158.0	161.0	SOFT LIMESTONE
161.0	171.0	LIMESTONE
171.0	173.0	RED SHALE
173.0	175.0	GREEN SHALE
175.0	250.0	SANDSTONE VERY LOOSE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	166.0	CASING	5.00	5.50		INSERT	PVC
166.0	250.0	OPEN HOLE		4.50			
10.0	80.0	CASING GROUT					CEMENT

Top of Casing: 2.0 ft. above ground

PUMPING TEST

Date: 2003 Dec 01
Pumping Rate: 100.0 Imp. gallons/minute
Water level before pumping: 3.0 ft. below ground
Pumping level at end of test: 150.0 ft. below ground
Test duration: ??? hours, ?? minutes
Water temperature: ?? degrees F

REMARKS

MARCHAND, WELL MUST BE VENTED

LOCATION: NE2-6-8E

Owner: RON BERARD
Driller: Echo Drilling Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
Date Completed: 2000 Feb 24

WELL LOG

From (ft.)	To (ft.)	Log
0	50.0	SAND
50.0	72.0	CLAY
72.0	125.0	TILL
125.0	135.0	SAND AND GRAVEL
135.0	172.0	TILL
172.0	190.0	SANDSTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	177.0	CASING	5.00			INSERT	PVC
177.0	182.0	PERFORATIONS			0.015	WIRE WOUND	S. S.
175.0	190.0	GRAVEL PACK			45-55	SILICA S.	
20.0	110.0	CASING GROUT				BENTONITE	

Top of Casing: 2.0 ft. above ground

PUMPING TEST

Date: 2000 Feb 24
Pumping Rate: 50.0 Imp. gallons/minute
Water level before pumping: 2.0 ft. below ground
Pumping level at end of test: 100.0 ft. below ground
Test duration: ??? hours, ?? minutes
Water temperature: ?? degrees F

LOCATION: NE3-6-8E

Owner: G S INVESTMENTS LTD
Driller: Friesen Drillers Ltd.
Well Name: .
Well Use: PRODUCTION
Water Use: Domestic,Livestock
Date Completed: 1980 Oct 27

WELL LOG

From (ft.)	To (ft.)	Log
0	16.0	SAND
16.0	35.0	CLAY
35.0	48.0	TILL
48.0	119.9	SAND AND SANDY TILL
119.9	149.9	LIMESTONE
149.9	169.9	SANDSTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	144.9	casing		6.50		INSERT	BLACK IRON
144.9	169.9	open hole	6.00				
15.0	48.0	casing grout					

Top of Casing: 2.0 ft. below ground

PUMPING TEST

Date: 1980 Oct 27
Flowing Rate: 229.9 Imp. gallons/minute
Water level before pumping: 10.0 ft. above ground
Pumping level at end of test: 2.0 ft. above ground
Test duration: 2 hours, minutes
Water temperature: ?? degrees F

LOCATION: SE4-6-8E

Owner: J TEILLEFER
Driller: Friesen Drillers Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic, Livestock
Date Completed: 1976 May 13

WELL LOG

From (ft.)	To (ft.)	Log
0	17.0	SAND
17.0	56.0	CLAY
56.0	58.0	SAND & GRAVEL
58.0	84.9	GREY TILL
84.9	107.9	SILTY TILL
107.9	139.9	HARD GREY TILL
139.9	179.9	LIMESTONE
179.9	194.9	SANDSTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	144.9	casing	4.25			INSERT	BLACK IRON
144.9	194.9	open hole					

Top of Casing: ft. below ground

PUMPING TEST

Date:
Flowing Rate: 20.0 Imp. gallons/minute
Water level before pumping: 5.0 ft. above ground
Pumping level at end of test: ?? ft. below ground
Test duration: hours, minutes
Water temperature: ?? degrees F

LOCATION: NW7-6-8E

Owner: C DESORAY
Driller: Echo Drilling Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic, Livestock
Date Completed: 1987 Oct 04

WELL LOG

From (ft.)	To (ft.)	Log
0	2.0	TOPSOIL
2.0	12.0	SAND COARSE
12.0	32.0	COARSE SAND WITH DIRTY FINES
32.0	124.9	TILL
124.9	137.9	COARSE GRAVEL AND SAND
137.9	164.9	TILL
164.9	189.9	LIMESTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	167.9	casing	4.80			INSERT	BLACK IRON
167.9	189.9	open hole	4.00				

Top of Casing: 2.0 ft. below ground

PUMPING TEST

Date: 1987 Oct 04
Pumping Rate: 40.0 Imp. gallons/minute
Water level before pumping: 12.0 ft. below ground
Pumping level at end of test: 13.0 ft. below ground
Test duration: 1 hours, minutes
Water temperature: ?? degrees F

LOCATION: SW8-6-8E

Owner: M VANVELTHUIZEN
Driller: Kiansky Bros. Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Livestock
Date Completed: 1993 Jul 06

WELL LOG

From (ft.)	To (ft.)	Log
0	14.0	SAND
14.0	29.0	SOFT GREY CLAY
29.0	32.0	GRAVEL
32.0	46.0	LIGHT GREY TILL
46.0	109.9	FINE GRAVEL AND SAND

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	90.9	casing	5.00			INSERT	PVC
90.9	105.9	perforations	3.00		0.012	WIRE WOUND	PVC
81.9	106.9	gravel pack					SILICA S.

Top of Casing: 2.0 ft. below ground

PUMPING TEST

Date: 1993 Jul 06
Pumping Rate: 46.0 Imp. gallons/minute
Water level before pumping: 4.0 ft. below ground
Pumping level at end of test: 86.9 ft. below ground
Test duration: 1 hours, 30 minutes
Water temperature: ?? degrees F

LOCATION: SE9-6-8E

Owner: VITA HEALTH
Driller: EMIL MANKEY & SON
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
Date Completed: 1976 Apr 28

WELL LOG

From (ft.)	To (ft.)	Log
0	20.0	SAND
20.0	49.0	BLUE CLAY
49.0	57.0	WHITE SANDY CLAY
57.0	99.9	SAND& GRAVEL
99.9	127.9	SAND& GRAVEL WITH A LOT OF STONES
127.9	151.9	GREY HARD LIMESTONE
151.9	154.9	SOFT GREY LIMESTONE
154.9	163.9	HARD GREY LIMESTONE
163.9	164.9	YELLOW LIMESTONE
164.9	165.9	RED SHALE
165.9	167.9	GREY LIMESTONE
167.9	191.9	SILICA SAND, SEMI-SOLID

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	167.9	casing	4.20			INSERT	BLACK IRON
167.9	191.9	perforations	3.00		0.150	WIRE WOUND	S. S.
0	0	gravel pack					

Top of Casing: ft. below ground

PUMPING TEST

Date:
Flowing Rate: 10.0 Imp. gallons/minute
Water level before pumping: ft. below ground
Pumping level at end of test: ?? ft. below ground
Test duration: hours, minutes
Water temperature: ?? degrees F

LOCATION: SE10-6-8E

Owner: G LORD
Driller: Echo Drilling Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic, Livestock
Date Completed: 1987 Jun 22

WELL LOG

From (ft.)	To (ft.)	Log
0	12.0	SAND
12.0	30.0	CLAY
30.0	68.0	TILL
68.0	74.0	SAND
74.0	137.9	TILL
137.9	149.9	LIMESTONE
149.9	159.9	SHALE
159.9	199.9	SANDSTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	139.9	casing	4.50			INSERT	BLACK IRON
139.9	199.9	open hole	4.00				
0	40.0	casing grout				CEMENT	

Top of Casing: ft. below ground

PUMPING TEST

Date: 1987 Jun 22
Flowing Rate: 50.0 Imp. gallons/minute
Water level before pumping: 10.0 ft. above ground
Pumping level at end of test: 1.0 ft. above ground
Test duration: 2 hours, minutes
Water temperature: ?? degrees F

LOCATION: NW11-6-8E

Owner: PETER SCHULTZ
Driller: Echo Drilling Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
Date Completed: 2002 Jun 10

WELL LOG

From (ft.)	To (ft.)	Log
0	1.0	SOD AND BLACK LOAM
1.0	14.0	BROWN SANDY TILL
14.0	43.0	GREY CLAY
43.0	92.0	GREY TILL WITH GRAVEL STRINGERS
92.0	130.0	DENSE GREY CLAY
130.0	148.0	GREY TILL
148.0	165.0	DARK BROWN TILL
165.0	200.0	LIMESTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	167.0	CASING	5.00	5.50		INSERT	PVC
167.0	200.0	OPEN HOLE		4.50			
15.0	100.0	CASING GROUT					BENTONITE

Top of Casing: 2.0 ft. above ground

PUMPING TEST

Date: 2002 Jun 10
Pumping Rate: 100.0 Imp. gallons/minute
Water level before pumping: 19.0 ft. below ground
Pumping level at end of test: 95.0 ft. below ground
Test duration: ??? hours, ?? minutes
Water temperature: ?? degrees F

LOCATION: NE15-6-8E

Owner: A & G FARMS
Driller: Friesen Drillers Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic, Livestock
Date Completed: 1977 Jul 15

WELL LOG

From (ft.)	To (ft.)	Log
0	12.0	SAND
12.0	25.0	SILTY CLAY
25.0	65.0	TILL
65.0	104.9	SANDY TILL
104.9	129.9	TILL
129.9	179.9	LIMESTONE
179.9	189.9	SANDSTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	129.9	casing		4.50			BLACK IRON
129.9	189.9	open hole		4.00			

Top of Casing: ft. below ground

PUMPING TEST

Date:
Flowing Rate: 10.0 Imp. gallons/minute
Water level before pumping: 5.0 ft. above ground
Pumping level at end of test: 20.0 ft. below ground
Test duration: 1 hours, minutes
Water temperature: ?? degrees F

LOCATION: SE16-6-8E

Owner: D SCHELLENBERG
Driller: Friesen Drillers Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic,Livestock
Date Completed: 1976 Aug 26

WELL LOG

From (ft.)	To (ft.)	Log
0	14.0	BROWN TILL
14.0	40.0	FINE SAND
40.0	55.0	TILL
55.0	124.9	HARD BLUE CLAY
124.9	131.9	BROWN TILL
131.9	259.8	LIMESTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	133.9	casing	4.25			INSERT	BLACK IRON
133.9	259.8	open hole		4.00			

Top of Casing: ft. below ground

PUMPING TEST

Date:
Flowing Rate: 5.0 Imp. gallons/minute
Water level before pumping: 5.0 ft. above ground
Pumping level at end of test: 25.0 ft. below ground
Test duration: 2 hours, minutes
Water temperature: ?? degrees F

LOCATION: NE17-6-8E

Owner: JACOB FEHR
Driller: Echo Drilling Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
Date Completed: 2003 Feb 17

WELL LOG

From (ft.)	To (ft.)	Log
0	6.0	BROWN TILL
6.0	35.0	CLAY
35.0	122.0	TILL
122.0	133.0	SAND AND GRAVEL
133.0	144.0	TILL
144.0	189.0	LIMESTONE
189.0	190.0	SHALE
190.0	222.0	SANDSTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	146.0	CASING	5.00	5.50		INSERT	PVC
146.0	192.0	OPEN HOLE		4.50			
10.0	45.0	CASING GROUT					CEMENT
80.0	190.0	CASING	2.00				PVC
190.0	222.0		2.00			PVC	
85.0	222.0	GRAVEL PACK					SILICA S.

Top of Casing: 2.0 ft. above ground

PUMPING TEST

Date: 2003 Feb 17
Flowing Rate: 25.0 Imp. gallons/minute
Water level before pumping: 6.0 ft. above ground
Pumping level at end of test: 2.0 ft. above ground
Test duration: ??? hours, ?? minutes
Water temperature: ?? degrees F

REMARKS

WELL DEEPEMED ON MARCH 19, 2003

LOCATION: NE22-4-9E

OWNER: GARRY BOUSKEWICK
DRILLER: KIANSKY BROS. LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: AUG 23, 2001

WELL LOG

FROM To LOG
(FT.) (FT.)
0 12.0 YELLOW SAND
12.0 35.0 TAN SAND
35.0 85.0 SANDY TILL - CEMENTED SAND
85.0 90.0 SAND
90.0 110.0 GREY SOFT TILL
110.0 125.0 FINE TO MEDIUM LIGHT BROWN SAND

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	112.0	CASING	5.00			INSERT	PVC
112.0	122.0	PERFORATIONS		3.00	0.012		WIRE WOUND PVC
100.0	125.0	GRAVEL PACK					NO. 20-40 SILICA S.
95.0	100.0	CASING GROUT					BENTONITE
35.0	40.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: AUG 23, 2001
PUMPING RATE: 40.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 48.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 50.0 FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NW24-49E

OWNER: WBAYCHAUCK
DRILLER: KIANSKY BROS.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: AUG 25, 1991

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	24.0	SAND
24.0	59.0	GREY TILL
59.0	78.9	FIRM FINE BROWN SAND
78.9	90.9	FINE BROWN SAND, SOFT
90.9	109.9	MEDIUM TO COARSE GREY SAND

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	102.9	CASING	4.00			INSERT	PVC
102.9	107.9	PERFORATIONS		2.00	0.010	WIRE WOUND	PVC
96.9	109.9	GRAVEL PACK					SILICA S.

TOP OF CASING: 1.5 FT. BELOW GROUND

PUMPING TEST

DATE: SEP 25, 1991
PUMPING RATE: 37.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 37.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SE27-4-9E

OWNER: WRB
DRILLER: UNKNOWN
WELL NAME: G05OE008 SANDILANDS # 3
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: NOV 23, 1970

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	23.0	SAND WITH SOME GRAVEL LAYERS
23.0	39.0	TILL; SANDY, BROWNISH GREY
39.0	46.0	TILL; SANDY, SILTY, LIGHT GREY
46.0	49.0	GRAVEL AND COARSE SAND
49.0	63.0	TILL; SANDY, HARD, GREY
63.0	79.9	SAND; FIRM, CLAYEY
79.9	141.9	INTERBEDDED AND MIXED CLAY, SILT AND SAND
141.9	154.9	SAND AND SOME GRAVEL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	148.9	CASING	2.00				
148.9	153.9	PERFORATIONS	2.00		0.015	WIRE WOUND	S. BRONZE

TOP OF CASING: 3.0 FT. BELOW GROUND

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

1056 FT E OF CL OF N/S RD + 133 FT N OF CL OF E/WRD, DISCONTINUED
WATER LEVEL, GROUND LEVEL ELEV MEASURED 368.156 M

LOCATION: SE27-49E

OWNER: WRB
DRILLER: INTERNATIONAL WATER SUPPLY
WELL NAME: G05OEA07 SANDILANDS # 2A
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: OCT 29, 1969

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	12.0	LIGHT BROWN SAND
12.0	16.0	GRAVEL AND COARSE SAND
16.0	34.0	MEDIUM-COARSE SAND, BROWN
34.0	39.0	TILL; SOFT, SANDY, BROWNISH GREY
39.0	46.0	TILL; SANDY, SILTY, LIGHT GREY
46.0	49.0	GRAVEL AND COARSE SAND
49.0	63.0	TILL; HARD, SANDY
63.0	79.9	SAND; CLAYEY, FIRM
79.9	119.9	SILT, CLAY, FINE SAND; LIGHT BROWN, SOFT
119.9	141.9	SANDY CLAY OR SILT, SOME GRAVEL
141.9	154.9	SAND AND SOME GRAVEL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	148.9	CASING	2.00				
148.9	153.9	PERFORATIONS		2.00	0.015	WIRE WOUND	S. BRONZE

TOP OF CASING: 4.2 FT. BELOW GROUND

PUMPING TEST

DATE: OCT 29, 1969
PUMPING RATE: 7.5 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 46.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: 3 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

50EMN7A, .25 MI E OF SANDILAND, N SIDE OF RD TO WOODRIDGE,
DISCONTINUED WATER LEVEL, CHEMICAL ANALYSIS

LOCATION: SE27-49E

OWNER: WRB
DRILLER: INTERNATIONAL WATER SUPPLY
WELL NAME: G05OEB07 SANDILANDS # 2B
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: OCT 29, 1969

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	12.0	LIGHT BROWN SAND
12.0	16.0	GRAVEL AND COARSE SAND
16.0	34.0	MEDIUM-COARSE SAND, BROWN
34.0	39.0	TILL; SOFT, SANDY, BROWNISH-GREY

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	31.0	CASING	2.00				
31.0	36.0	PERFORATIONS	2.00		0.015	WIRE WOUND	S. BRONZE

TOP OF CASING: FT. BELOW GROUND

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

5OEMN7B, .25 MI E OF SANDILANDS, N SIDE OF RD TO WOODRIDGE,
DISCONTINUED WATER LEVEL, GROUND LEVEL ELEV MEASURED 368.906 M

LOCATION: SE27-49E

OWNER: WRB

DRILLER: INTERNATIONAL WATER SUPPLY

WELL NAME: SANDILANDS TH

WELL USE: TEST WELL

WATER USE:

DATE COMPLETED: OCT 22, 1969

WELL LOG

FROM TO LOG

(FT.) (FT.)

0 12.0 LIGHT BROWN SAND
12.0 16.0 GRAVEL AND COARSE SAND
16.0 34.0 SAND, MEDIUM-COARSE, BROWN
34.0 39.0 TILL, SOFT, SANDY, BROWNISH-GREY
39.0 46.0 TILL, SANDY, SILTY, LIGHT GREY
46.0 49.0 GRAVEL, COARSE SAND
49.0 63.0 TILL, HARD, SANDY, BOULDERS
63.0 79.9 SAND, CLAYEY, FIRM
79.9 119.9 SILT, CLAY, FINE SAND, LIGHT BROWN
119.9 141.9 SANDY CLAY OR SILT, SOME GRAVEL
141.9 154.9 SAND AND SOME GRAVEL
154.9 186.9 SILT, CLAY, SOME FINE SAND, LIGHT GREY, SOFT
186.9 204.9 SAND AND SOME GRAVEL, CLAYEY LAYERS
204.9 215.9 GRAVEL WITH SAND, MAINLY GRANITIC GRAINS, CLAYEY
LAYERS
215.9 232.8 TILL, SANDY, LIGHT BLUISH-GREY
232.8 256.8 CLAYEY SAND AND SAND OR SILT, LIGHT GREY
256.8 269.8 SAND, CLAYEY, HARD, GREY, BOULDERS COMMON 260-266 FEET
269.8 286.8 CLAY, VERY SOFT, SILTY, GREY
286.8 289.8 SAND, CLAYEY OR SANDY TILL
289.8 299.8 CLAY WITH QUARTZ SAND, BLUISH, TRACES OF GREENISH-
GREY
299.8 308.8 CLAY, LIGHT BLUE, SILTY, SOFT
308.8 354.8 CLAY, BLUISH-GREY, VERY SOFT, TRACES OF DARK GREY CLAY
354.8 417.7 CLAY, BLUISH-GREY TO 390 FEET, THEN LIGHT BROWNISH
GREY SOME SANDY CLAY AND GRAVELLY BEDS, VERY SOFT WITH
HARDER LAYERS
417.7 422.7 SAND AND OR SILT, VERY LOOSE FORMATION WITH VERY THIN
HARD LAYERS, SOME WHITE SANDY CLAY, GRANITE AT 423 FEET

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: FT. BELOW GROUND

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SANDILANDS TH FOR OBSERVATION STATION, .25 MI E OF SANDILANDS, N
SIDE OF RD TO WOODRIDGE, FORMATION SAMPLES SUBMITTED TO MINES
BRANCH FOR EXAMINATION, GROUND LEVEL ELEV EST 1230 FT, CHEMICAL
ANALYSIS (1969)

LOCATION: NE28-4-9E

OWNER: F PARISIEN
DRILLER: KIANSKY BROS.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: MAY 25, 1984

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	7.0	SAND; ORANGE SAND
7.0	26.0	CLAY; YELLOW WITH SMALL STONES
26.0	52.0	TILL; GREY, HARD PAN
52.0	53.0	SAND; GREY, SILTY
53.0	53.5	TILL; GREY
53.5	55.0	SAND; GREY, SILTY
55.0	88.9	TILL; SOFT, GREY
88.9	94.9	SAND; FINE, GREY
94.9	109.9	SAND; COARSE GREY

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	97.9	CASING	4.00			PVC	
97.9	102.9	PERFORATIONS			0.010	WIRE WOUND	S. S.
89.9	104.9	GRAVEL PACK				NO. 10-30	SILICA S.

TOP OF CASING: 1.0 FT. BELOW GROUND

PUMPING TEST

DATE: MAY 25, 1984
PUMPING RATE: 25.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 28.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: HOURS, 45 MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE13-5-9E

OWNER: GSC

DRILLER: MAPLE LEAF ENTERPRISES LTD.

WELL NAME: 9803-3

WELL USE: OBSERVATION

WATER USE:

DATE COMPLETED: JUL 06, 1998

WELL LOG

FROM To LOG

(FT.) (FT.)

0 10.0 MEDIUM TO COARSE SAND, 3 MM DIAMETER ROUNDED PEBBLES
INCREASING PEBBLE SIZE WITH DEPTH
10.0 15.0 MEDIUM TO COARSE SAND WITH GRAVEL
15.0 20.0 MEDIUM SAND, SMALLER PEBBLES, LESS THAN 3 MM IN
DIAMETER
20.0 22.5 FINE SAND, SPARSE PEBBLES
22.5 30.0 VERY FINE SAND, SPARSE PEBBLES
30.0 35.0 VERY FINE SAND, SCATTERED LARGER PEBBLES 5 CM IN
DIAMETER
35.0 37.5 VERY FINE CLEAN SAND, NO PEBBLES
37.5 45.0 VERY FINE SAND, SPARSELY SCATTERED ROUNDED PEBBLES
45.0 60.0 VERY FINE CLEAN SAND, NO PEBBLES
60.0 62.5 VERY FINE CLEAN MOIST SAND
62.5 65.0 VERY FINE CLEAN SAND, WATER AT 62.5 FEET
65.0 72.5 NO SEDIMENT SAMPLES COLLECTED DUE TO CONDITION OF
HOLE, DRILLER DESCRIBED AS SAME FINE SAND
72.5 75.0 NO SEDIMENT TAKEN, BUT DRILLER THINKS SAND IS MORE
COARSE AT THIS DEPTH
75.0 82.5 FINE SAND WITH PEBBLES, SPARSE PEBBLES, 5 MM IN
DIAMETER
82.5 90.0 MEDIUM SAND, SMALL ROUNDED PEBBLES

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	89.0	CASING	2.00			PVC	
89.0	90.0	PERFORATIONS		2.00		PERF. PIPE	PVC

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SANDILANDS RECHARGE STUDY, ON TRAIL 16, 70 MW OF PR # 210, 42 MS OF CL OF TRAIL 16, 2 OTHER PIEZOMETERS IN SEPARATE HOLES AT SAME SITE, 9803-1 SCREENED 69-70 FT AND 9803-2 SCREENED 79-80 FT

LOCATION: NE13-5-9E

OWNER: WRB
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME: SITE # 2
WELL USE: TEST WELL
WATER USE:
DATE COMPLETED: SEP 21, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	10.0	COARSE TO MEDIUM ORANGEBROWN SAND WITH GRAVEL
10.0	12.0	COARSE SAND AND GRAVEL, STONES GETTING SMALLER, LARGE STONE AT 10 FEET
12.0	19.0	COARSE SAND WITH SMALL PEBBLES
19.0	70.0	MEDIUM BROWN SAND WITH SMALL PEBBLES
70.0	80.0	MEDIUM BROWN SAND, PEBBLES BECOMING MORE SPARSE, SMALL TILL STRINGER AT 79 FEET
80.0	94.0	MEDIUM SAND, CLEAN, BROWN
94.0	100.0	FINE BROWN CLEAN SAND, SLIGHTLY SILTY LAYER AT 100 FEET
100.0	110.0	FINE BROWN SAND
110.0	136.0	SOFT GREY TILL
136.0	139.0	MEDIUM TO COARSE SAND, LOTS OF PEBBLES
139.0	139.5	SANDY, SOFT GREY TILL
139.5	171.0	SOFT GREY CLAYEY TILL
171.0	195.0	FINE BROWN SAND, SPARSE PEBBLES, 1 CM IN DIAMETER
195.0	214.0	FINE TO MEDIUM SAND WITH PEBBLES
214.0	219.0	MEDIUM SAND, MORE PEBBLES
219.0	230.0	MEDIUM TO COARSE SAND, MANY PEBBLES AND SMALL STONES

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SANDILANDS RECHARGE STUDY, APPROX 200 MS OF HWY # 210 FROM THE
INTERSECTION OF TRAIL 16 & 210, TRAIL 16 GOES TO ST. LABRE, DRILLED
ON W SIDE OF 210, 30 M OFF RD

LOCATION: 14-5-9E

OWNER: WRB

DRILLER: ECHO DRILLING LTD.

WELL NAME: SILA 98-5

WELL USE: TEST WELL

WATER USE:

DATE COMPLETED: NOV 10, 1998

WELL LOG

FROM To LOG

(FT.) (FT.)

0 7.0 SAND, BROWN, FINE TO MEDIUM
7.0 8.0 TILL, COARSE
8.0 57.0 SAND, BROWN, FINE TO MEDIUM
57.0 58.0 TILL, BROWN, SANDY
58.0 78.0 SAND, BROWN, FINE TO MEDIUM
78.0 91.0 TILL, BROWN, SOFT, SILTY
91.0 102.0 TILL, GREY, SILTY, PASTY
102.0 104.0 GRAVEL, MEDIUM
104.0 130.0 TILL, GREY, SILTY
130.0 196.0 SAND, FINE, SILTY, GREY-BLACK, CEMENTED, LOSING 5-10
IGPM
196.0 199.0 TILL, GREY, SOFT, SILTY
199.0 207.0 SAND, FINE, GREY-BLACK, CEMENTED
207.0 216.0 TILL, GREY, SANDY
216.0 219.0 COARSE SAND AND FINE GRAVEL
219.0 237.0 SAND, FINE, SILTY, GREY-BLACK, CEMENTED
237.0 239.0 TILL, GREY
239.0 330.0 COARSE SAND AND FINE GRAVEL, BLACK-BROWN, CEMENTED,
LOSING 5-10 IGPM
330.0 346.0 TILL, GREY, CLAYEY
346.0 440.0 TILL, GREY, SILTY, CEMENTED
440.0 459.0 TILL, GREY, SANDY, CEMENTED
459.0 515.0 TILL, PINKISH GREY, CRUMBLY
515.0 522.0 TILL, GREY, CRUMBLY
522.0 528.0 TILL, PINKISH GREY, CRUMBLY
528.0 532.0 TILL, PURPLE, SANDY
532.0 534.0 SHALE, RED, GREASY, HARD, WOULD NOT DRILL

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SILA WELL, CENTRE OF 1/4, 1 MI E OF PR # 404, 30 FT'S OF E/W TRAIL
16, HOLE GROUTED AND ABANDONED

LOCATION: SE14-5-9E

OWNER: WRB
DRILLER: PERIMETER DRILLING LTD.
WELL NAME: G05OH034 SILA 95-2
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: OCT 30, 1995

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	TOPSOIL, BROWN
1.0	12.0	SAND, BROWN, FINE
12.0	15.5	GRAVEL, BROWN, COARSE
15.5	70.5	SAND AND GRAVEL, BROWN
70.5	75.4	SAND, FINE, GREY
75.4	124.9	SAND, FINE TO MEDIUM, BROWN, GRAVEL LAYER 117.5-118.5 FEET
124.9	135.4	SAND, FINE TO MEDIUM, BROWN

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	128.9	CASING	5.00			INSERT	BLACK IRON
128.9	133.9	PERFORATIONS	5.00		0.010	WIRE WOUND	S. S.

TOP OF CASING: 3.0 FT. ABOVE GROUND

PUMPING TEST

DATE:
PUMPING RATE: IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 108.9 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

E OF BEDFORD TOWER + 75 FT'S OF RD

LOCATION: SE14-5-9E
OWNER: WRB
DRILLER: PERIMETER DRILLING LTD.
WELL NAME: SILA # 1
WELL USE: TEST WELL
WATER USE:
DATE COMPLETED: OCT 27, 1995

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	12.0	SAND, FINE, BROWN
12.0	30.0	GRAVEL, FINE TO MEDIUM
30.0	38.0	GRAVEL, FINER THAN ABOVE
38.0	42.5	SAND, COARSE, SMALL CLAY LAYER AT 42 FEET
42.5	141.9	SAND, FINE TO COARSE
141.9	253.8	CLAY, SILTY, GREY
253.8	275.8	SAND, HARD PACKED, GREY, FINE
275.8	276.8	GRAVEL
276.8	279.8	SAND, HARD PACKED
279.8	297.8	TILL, GREY, SILTY
297.8	304.8	CLAY, SANDY, SILTY, BROWN
304.8	340.8	SHALE, DARK BLUE
340.8	341.3	SANDSTONE LAYER
341.3	396.2	SHALE, DARK BLUE
396.2	398.7	GRANITE BOULDER
398.7	458.7	SHALE, DARK BLUE
458.7	473.7	GRAVEL, SILTY, LIMESTONE
473.7	489.7	DOLOMITE, PINK
489.7	513.7	TILL, BEIGE, SILTY
513.7	523.7	SILT, SHALY, PINK AND BLUE
523.7	527.7	SHALE, HARD, GREY

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: FT. BELOW GROUND

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

600 FT E OF BEDFORD TOWER + S SIDE OF RD, HOLE BACKFILLED +
ABANDONED

LOCATION: SE31-5-9E

OWNER: JOE FABIAN
DRILLER: KIANSKY BROS. LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: OCT 07, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	3.0	SANDY BOULDERS
3.0	8.0	GREY GRAVEL TILL
8.0	40.0	GREY CLAYEY TILL
40.0	56.0	FINE SAND, WATER
56.0	57.0	GREY TILL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	44.0	CASING	5.00			INSERT	PVC
44.0	54.0	PERFORATIONS		3.00			WIRE WOUND PVC
40.0	57.0	GRAVEL PACK					NO. 20-40 SILICA S.
35.0	40.0	CASING GROUT					BENTONITE

TOP OF CASING: 2.0 FT. ABOVE GROUND

PUMPING TEST

DATE: OCT 07, 1998
PUMPING RATE: 12.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 10.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

S OF HWY # 52, E OF HWY # 13

LOCATION: SW34-5-9E
OWNER: WRB
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME: TH# W32
WELL USE: TEST WELL
WATER USE:
DATE COMPLETED: OCT 14, 1977

WELL LOG

FROM To LOG
(FT.) (FT.)

0 12.0 SAND&GRAVEL FINE TO MEDIUM
12.0 22.0 SAND&FINE GRAVEL, QUARTZ, IGNEOUS, LIMESTONE
22.0 77.9 SAND, SILTY, FINE TO MEDIUM, DIRTY CLAYEY, SILTY
77.9 117.9 CLAYEY SAND, GREY, SOFT FINE, SILTY ODD FINE GRAVELLY
LAYER
117.9 159.9 SILTY SAND-GREY
159.9 219.9 SAND, GREY, DIRTY, FINE TO MEDIUM, FIRM, SILTY
219.9 232.8 CLAY-GREY, SILTY, ODD STONE
232.8 294.8 SANDSTONE FINE, LOOSELY CEMENTED SOME WHITE SHALE
294.8 301.8 SHALE, WHITE WITH LIGHT GREENISH GREY, SANDY, SILTY
301.8 315.8 SHALE, LIGHT GREENISH GREY, MAUVE TO LIGHT REDDISH
BROWN SOFT, SILTY
315.8 333.8 SHALE, MAUVE&KHAKI, WITH WHITE SANDSTONE LAYERS
333.8 345.8 SANDSTONE, WHITE, CEMENTED WITH SHALE LAYERS, LIGHT
REDDISH BROWN, LIGHT CREAM BROWN, LIGHT BROWN, MOTTLED
345.8 355.8 SHALE AS ABOVE, SOFT&FIRM LAYERS
355.8 366.8 SANDSTONE, WHITE WITH MULTI-COLOURED SHALE LAYERS
366.8 367.3 IGNEOUS BEDROCK

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	263.8	CASING	2.00			T&C	BLACK IRON
263.8	278.8	PERFORATIONS		2.00			SL. PIPE BLACK IRON

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:

PUMPING RATE: 6.5 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 48.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 55.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

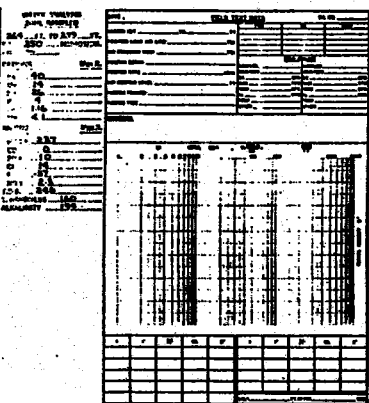
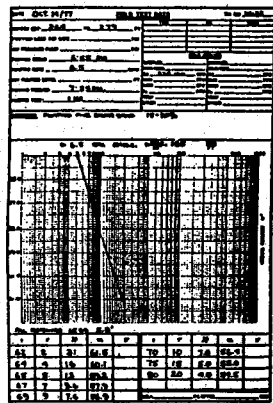
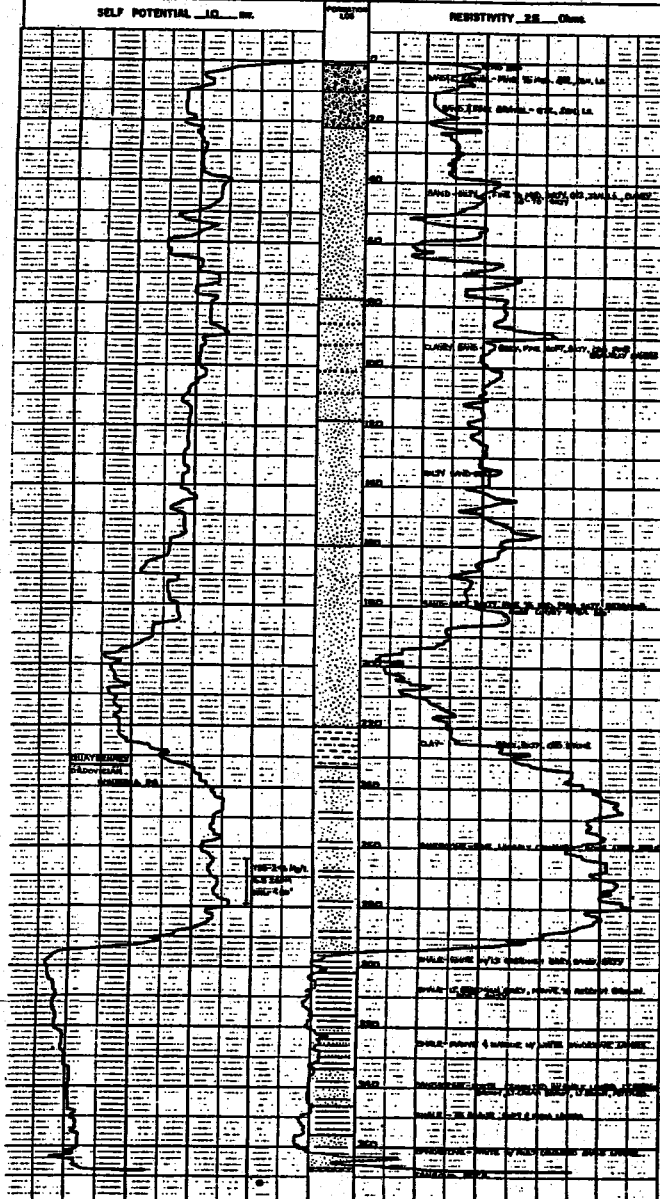
REMARKS

WPG GROUNDWATER AVAIL STUDY, 170 FT S OF PR 210, 120 FT N OF OLD HWY
CHEMICAL ANALYSIS

PROVINCE OF ONTARIO
DEPARTMENT OF MINES, RESOURCES AND ENVIRONMENTAL MANAGEMENT
WATER RESOURCES BRANCH

GROUND-WATER BENCHMARK DATA SHEET

NAME: W-32
 LOCATION: 430-25-20-20-20
 DRILLED BY: BRUNNEN BROTHERS
 LOGGED BY: BRUNNEN BROTHERS
 DATE: JULY 1972
 MUD: NATURAL SINKING
 NATURE: MINE
 CONDUCTIVITY:
 PROJECT: BRUNNEN BROTHERS
 ELEVATION (M): 100
 DEPTH DRILLED: 100 FT.
 DEPTH LOGGED: 100 FT.
 RUN #:
 TYPE LOGGED: BORE
 SIZE TEST HOLE: 4 IN.
 TYPE OF DRILL: ROTARY
 COMMENTS: Location is 10' S of PL 24 & 10' W of PL 20. HOLE TO FIELD AND FOR FINE GRAINED MATERIAL.



OF CANADIAN MINING INDUSTRIES, 1972
 MADE IN U.S.A.
 PRINTED IN U.S.A.
 © 1972 BRUNNEN BROTHERS, INC.

LOCATION: 35-5-9E

OWNER: DEPARTMENT OF RRTS
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION

WATER USE: DOMESTIC
DATE COMPLETED: JUN 09, 1976

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	12.0	SANDY CLAY
12.0	26.0	TILL
26.0	29.0	SAND
29.0	33.0	CLAY
33.0	35.0	SAND
35.0	62.0	CLAY
62.0	144.9	TILL
144.9	180.9	SAND
180.9	196.9	TILL
196.9	199.9	GRAVEL
199.9	264.8	TILL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	169.9	CASING	4.50			INSERT	S.S.
169.9	175.9	PERFORATIONS	4.00		0.018	WIRE WOUND	S.S.
175.9	181.4	PERFORATIONS	4.00		0.015	WIRE WOUND	S.S.

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:

PUMPING RATE: 5.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 39.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 45.0 FT. BELOW GROUND
TEST DURATION: 2 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

FORESTERY STATION, 5 MI E OF MARCHAND

LOCATION: SE2-6-9E

Owner: GSC/WRB
Driller: Friesen Drillers Ltd.
Well Name: G05OH038 WRB9902
Well Use: OBSERVATION
Water Use:
Date Completed: 1999 Oct 01

WELL LOG

From (ft.)	To (ft.)	Log
0	1.0	SOIL, BLACK, ORGANIC MATTER
1.0	7.0	COARSE SAND, BROWN
7.0	8.0	GRAVEL
8.0	10.0	COARSE SAND
10.0	19.0	GRAVEL, COARSE SAND STRINGERS
19.0	32.0	COARSE SAND, BROWN
32.0	50.0	GRAVEL

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	39.0	CASING	5.00			STEEL	
39.0	44.0	PERFORATIONS		5.00		0.015 WIRE WOUND S. S.	
0	6.6	CASING GROUT					CEMENT
6.6	19.7	CASING GROUT					CEMENT
19.7	26.2	CASING GROUT					BENTONITE
26.2	50.0	GRAVEL PACK					QUARTZ S.

Top of Casing: 0.0

PUMPING TEST

Date: 1999 Oct 01
Pumping Rate: ?? Imp. gallons/minute
Water level before pumping: 9.2 ft. below ground
Pumping level at end of test: ?? ft. below ground
Test duration: ??? hours, ?? minutes
Water temperature: ?? degrees F

REMARKS

SE SIDE OF TRAIL 19, 2.1 KM NE OF PR # 210, BETWEEN 2 SETS OF POWER LINES, 2 INCH WASHDOWN ASSEMBLY 44-44.5 FT, PIEZOMETER NEST.

LOCATION: SE2-6-9E
 Owner: GSC/WRB
 Driller: Friesen Drillers Ltd.
 Well Name: G05OH050 GSC9902-4
 Well Use: OBSERVATION
 Water Use:
 Date Completed: 1999 Sep 28

WELL LOG

From (ft.)	To (ft.)	Log
0	1.0	SOIL, BLACK, ORGANIC
1.0	11.0	COARSE SAND, BROWN
11.0	15.0	MEDIUM SAND, BROWN
15.0	18.0	GRAVEL
18.0	33.0	FINE TO MEDIUM SAND, BROWN
33.0	72.0	COARSE SAND, GREYISH BROWN
72.0	75.0	GRAVEL
75.0	118.0	COARSE SAND, GREYISH BROWN
118.0	119.0	GRAVEL AND COARSE SAND
119.0	124.0	SILT, GREY
124.0	130.0	COARSE SAND, GREY
130.0	133.0	INTERBEDDED SAND AND SILT
133.0	157.0	COARSE SAND, GREY
157.0	158.0	SANDY TILL, GREY
158.0	225.0	COARSE SAND, GREY
225.0	237.0	CLAYEY SILT TILL WITH SAND INTERBEDS
237.0	238.0	COARSE SAND
238.0	239.5	GRAVEL
239.5	243.0	CLAYEY SILT TILL, GREY, THIN INTERBEDDED SAND LAYER
243.0	244.0	GRANITE BOULDER
244.0	247.0	INTERBEDDED SAND, SILT AND CLAY, 6-8 INCH SAND

STRINGERS

247.0	251.0	COARSE SAND
251.0	254.0	LIMESTONE COBBLES
254.0	258.0	CLAYEY SILT TILL
258.0	259.0	SAND
259.0	266.0	CLAYEY SILT TILL
266.0	267.5	SAND
267.5	274.0	COARSE SAND
274.0	283.0	BLUE-GREEN SHALE
283.0	292.0	SANDSTONE
292.0	300.0	BROWN SHALE
300.0	311.0	HARD, VERY SLOW DRILLING, RED GRANITE AND BLUE-GREEN

SHALE CUTTINGS TO SURFACE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
---------------	-------------	----------------	--------------------	---------------------	------------------	------	----------

0 282.5 CASING 3.00
282.5 291.5 PERFORATIONS
291.5 310.5 CASING 3.00
0 6.5 CASING GROUT
6.5 255.6 CASING GROUT
255.6 250.5 CASING GROUT
260.5 311.0 GRAVEL PACK

INSERT PVC
SL. PIPE PVC
INSERT PVC
CEMENT
CEMENT
BENTONITE
QUARTZ S.

Top of Casing: 0.0

PUMPING TEST

Date: 1999 Sep 28

Pumping Rate: ?? Imp. gallons/minute

Water level before pumping: 9.2 ft. below ground

Pumping level at end of test: ?? ft. below ground

Test duration: ??? hours, ?? minutes

Water temperature: ?? degrees F

REMARKS

SE SIDE OF TRAIL 19, 2.1 KM NE OF PR # 210, BETWEEN 2 SETS OF POWER
LINES, 2 INCH WASHDOWN ASSEMBLY 310.5-311 FT

LOCATION: SE2-6-9E

Owner: GSC

Driller: Friesen Drillers Ltd.

Well Name: GSC9902-3

Well Use: OBSERVATION

Water Use:

Date Completed: 1999 Sep 30

WELL LOG

From (ft.)	To (ft.)	Log
0	1.0	SOIL, BLACK, ORGANIC
1.0	10.0	COARSE SAND, BROWN
10.0	19.0	GRAVEL AND COARSE SAND
19.0	34.0	COARSE SAND, BROWN
34.0	46.0	GRAVEL AND COARSE SAND
46.0	71.0	COARSE SAND, BROWN
71.0	74.0	GRAVEL
74.0	118.0	COARSE SAND, GREYISH BROWN
118.0	119.0	GRAVEL AND COARSE SAND
119.0	120.0	SAND
120.0	125.0	SILT, GREY
125.0	156.0	COARSE SAND, GREY
156.0	156.5	GRAVEL
156.5	163.0	SILT TILL, GREY
163.0	227.0	COARSE SAND, GREY
227.0	230.0	CLAYEY SILT TILL
230.0	231.0	SAND AND SILT
231.0	239.0	COBBLES, MOSTLY RED GRANITE, HARD DRILLING
239.0	246.0	SANDY SILT TILL, LIGHT GREY
246.0	246.5	COARSE SAND
246.5	248.0	GRAVEL AND COBBLES
248.0	253.0	SAND
253.0	270.0	SANDY SILT TILL, LIGHT GREY

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	119.0	CASING	1.30			INSERT	PVC
110.0	117.0	PERFORATIONS		1.30		SL. PIPE	PVC
0	197.0	CASING	1.30			INSERT	PVC
197.0	207.0	PERFORATIONS		1.30		SL. PIPE	PVC
0	246.0	CASING	1.30			INSERT	PVC
246.0	253.0	PERFORATIONS		1.30		SL. PIPE	PVC
0	6.6	CASING GROUT					CEMENT
6.6	83.7	CASING GROUT					CEMENT
83.7	91.2	CASING GROUT					BENTONITE
91.2	122.7	GRAVEL PACK					QUARTZ S.
122.7	190.6	CASING GROUT					BENTONITE
190.6	214.6	GRAVEL PACK					QUARTZ S.
214.6	240.5	CASING GROUT					BENTONITE
240.5	270.0	GRAVEL PACK					QUARTZ S.

Top of Casing: 0.0

PUMPING TEST

Date: 1999 Sep 30
Pumping Rate: ?? Imp. gallons/minute
Water level before pumping: 9.2 ft. below ground
Pumping level at end of test: ?? ft. below ground
Test duration: ??? hours, ?? minutes
Water temperature: ?? degrees F

REMARKS

PIEZOMETER NEST, SE SIDE OF TRAIL 19, 2.1 KM NE OF PR # 210, BETWEEN 2
SETS OF POWER LINE, 8 FT OF 4 INCH STEEL CASING AT SURFACE, 1.25 INCH
WASHDOWN ASSEMBLY AT 253-254 FT, LOST 3 LENGTHS OF PVC & 10 FT SCREEN
AS BELL CAME APART

LOCATION: 6-6-9E

Owner: B TETRAULT
Driller: Friesen Drillers Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
Date Completed: 1985 Jul 11

WELL LOG

From (ft.)	To (ft.)	Log
0	20.0	SAND; BROWN, SANDY CLAY
20.0	70.0	CLAY; SOFT
70.0	143.9	TILL
143.9	149.9	TILL; SANDY
149.9	154.9	LIMESTONE; BROKEN
154.9	159.9	LIMESTONE
159.9	162.9	SHALE
162.9	166.9	SAND; GREY, FINE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	156.9	casing	4.20			INSERT	BLACK IRON
156.9	166.9	open hole	4.00				

Top of Casing: 2.0 ft. below ground

PUMPING TEST

Date: 1985 Jul 11
Flowing Rate: 5.0 Imp. gallons/minute
Water level before pumping: 3.0 ft. above ground
Pumping level at end of test: ?? ft. below ground
Test duration: hours, minutes
Water temperature: ?? degrees F

LOCATION: SE6-6-9E

Owner: J TEILLEFE
Driller: MANKEY, EMIL
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
Date Completed: 1965 Sep 28

WELL LOG

From (ft.)	To (ft.)	Log
0	18.0	SAND
18.0	60.0	BLUE CLAY
60.0	129.9	BLUE SAND
129.9	172.9	LIMESTONE, WATER AT 173 FEET

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	129.9	casing	4.00				
129.9	172.9	open hole					

Top of Casing: ft. below ground

PUMPING TEST

Date: 1965 Sep 28
Pumping Rate: 30.0 Imp. gallons/minute
Water level before pumping: 9.0 ft. above ground
Pumping level at end of test: ?? ft. below ground
Test duration: 2 hours, minutes
Water temperature: ?? degrees F

LOCATION: NW17-4-10E

OWNER: CNOBBE
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: SEP 08, 1977

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	7.0	TILL
7.0	30.0	SAND
30.0	37.0	COARSE, SAND
37.0	84.9	MEDIUM TO FINE SAND

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	75.0	CASING	4.25			INSERT	BLACK IRON
75.0	79.9	PERFORATIONS			0.018	WIRE WOUND	S.S.

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 15.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 15.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 25.0 FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NW24-4-10E

OWNER: A DESROSIERS
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC, LIVESTOCK
DATE COMPLETED: MAY 09, 1979

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	10.0	SAND
10.0	15.0	BROWN TILL
15.0	25.0	BLUE TILL
25.0	99.9	FINE SAND
99.9	109.9	SAND AND TILL LAYERS

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	89.9	CASING				INSERT	PLASTIC
89.9	94.9	PERFORATIONS			0.018	WIRE WOUND	S. S.
0	0	GRAVEL PACK					

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE: MAY 09, 1979
PUMPING RATE: 4.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 15.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 79.9 FT. BELOW GROUND
TEST DURATION: 2 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: SW28-4-10E

OWNER: WRB
DRILLER: ECHO DRILLING LTD.
WELL NAME: SILA 98-3
WELL USE: TEST WELL
WATER USE:
DATE COMPLETED: NOV 03, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	5.0	SAND, FINE, BROWN
5.0	27.0	GRAVEL, MEDIUM LIMESTONE AND SHALE
27.0	36.0	GRAVEL, COARSE, SOME .5 INCHES IN DIAMETER, LIMESTONE
36.0	38.0	TILL, BEIGE, CLAYEY
38.0	44.0	TILL, GREY, CLAYEY
44.0	57.5	SAND, FINE, BROWN
57.5	60.5	TILL, BEIGE, SILTY
60.5	67.0	SAND, FINE, BROWN
67.0	74.0	TILL, GREY-BEIGE MIX
74.0	87.0	SAND, FINE, GREY
87.0	120.0	SAND, COARSE, GREY, CEMENTED
120.0	142.0	SAND, FINE, GREY, COARSE AT 130-140 FEET
142.0	182.0	GRAVEL, COARSE, LIMESTONE AND SHALE .5 - 1 INCH IN DIAMETER
182.0	191.0	TILL, GREY, VERY SILTY
191.0	199.0	TILL, GREY, CLAYEY
199.0	235.0	SAND, FINE, GREY-BROWN MIX
235.0	240.0	VOID, LOST CIRCULATION

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SILA WELL, 900 FT W OF PR # 210 ON TRAIL 17A, N OF CL OF TRAIL, HOLE
GROUTED AND ABANDONED

LOCATION: SW28-4-10E
OWNER: WRB
DRILLER: ECHO DRILLING LTD.
WELL NAME: SILA 98-4
WELL USE: TEST WELL
WATER USE:
DATE COMPLETED: NOV 04, 1998
WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	14.0	SAND, FINE TO MEDIUM, BROWN
14.0	40.0	SAND, COARSE, BROWN, SOME FINE GRAVEL STRINGERS
40.0	58.0	SAND, COARSE, BROWN, SOME SMALL STONES
58.0	86.0	GRAVEL, FINE TO MEDIUM, B.B. TO DIME SIZE
86.0	95.0	TILL, SOFT, GREY, PASTY
95.0	116.0	SAND, MEDIUM TO COARSE, BLACK, CEMENTED
116.0	145.0	TILL, GREY, SILTY
145.0	169.0	SAND, MEDIUM, BLACK, SOME SMALL PEBBLES
169.0	172.5	TILL, GREY, SOFT
172.5	232.0	SAND, MEDIUM, GREY-BLACK, CHATTERY, CEMENTED
232.0	234.0	GRAVEL, LIGHT, LIMESTONE AND GRANITE
234.0	304.0	TILL, GREY, SILTY
304.0	307.0	WHITE GRANITE BOULDER
307.0	327.0	TILL, GREY, SILTY, SOME STONE
327.0	357.0	TILL, GREY, VERY CLAYEY, VERY STIFF
357.0	358.0	BLACK GRANITE BOULDER
358.0	380.0	TILL, VERY CLAYEY, STIFF, GREY
380.0	420.0	TILL, GREY, VERY CLAYEY, STIFF, SLOW DRILLING
420.0	431.0	TILL, PINK-GREY, SANDY
431.0	475.0	TILL, BEIGE GREY, VERY HARD
475.0	476.0	TILL, PINK-GREY, VERY HARD
476.0	480.0	GRANITE, RED

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SILA WELL, 5 MI W OF PR # 210 ON TRAIL 17A, 30 FT N OF E/WRD ALLOW,
HOLE GAMMA LOGGED AND ABANDONED, GAMMA PROBE DOWN HOLE,
DID NOT
BACKFILL

LOCATION: SW4-5-10E

OWNER: GSC
DRILLER: MAPLE LEAF ENTERPRISES LTD.
WELL NAME: 9804-3
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: JUL 07, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	5.0	MEDIUM SAND, ROUNDED LIMESTONE PEBBLES, 3 CM IN DIAMETER
5.0	11.5	MEDIUM SAND AND GRAVEL, LARGE ROUNDED STONES, 10 CM IN DIAMETER, WATER AT 6 FEET
11.5	22.5	SANDY CLAYEY TILL
22.5	32.5	MORE OF A CLAYEY TILL, VERY STIFF, LESS SAND GRIT, SUB ANGULAR PEBBLES
32.5	40.0	SILTY SANDY CLAY

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	32.0	CASING	2.00			PVC	
32.0	33.0	PERFORATIONS		2.00		PERF. PIPE	PVC

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SANDILANDS RECHARGE STUDY, 315 M N OF TRAIL 16, 19 ME OF CL OF TRAIL 17, 2 OTHER PIEZOMETERS INSTALLED IN SEPERATE HOLES AT SAME SITE, 9804-1 SCREEN 10-11 FT AND 9804-2 SCREEN 22-23 FT

LOCATION: SW6-5-10E

OWNER: GSC
DRILLER: MAPLE LEAF ENTERPRISES LTD.
WELL NAME: 9805-1
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: JUL 07, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	2.5	MEDIUM ORANGE CLEAN SAND
2.5	5.0	MEDIUM SAND, OCCASIONAL PEBBLE
5.0	15.0	MEDIUM SAND, BECOMING SLIGHTLY FINER
15.0	32.5	FINE SAND, VERY CLEAN
32.5	37.5	VERY FINE, SLIGHTLY SILTY SAND
37.5	50.0	FINE SAND, SOME PEBBLES
50.0	62.5	VERY FINE SAND, SOME SILT, WATER AT 61 FEET
62.5	65.0	FINE SAND WITH SMALL AMOUNTS OF TILL, MORE COHESIVE
65.0	71.0	FINE SAND

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	70.0	CASING	2.00			PVC	
70.0	71.0	PERFORATIONS		2.00		PERF. PIPE	PVC

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SANDILANDS RECHARGE STUDY, ON TRAIL 20, 700 MN OF TRAIL 15, 19 MW
OF CL OF TRAIL 20

LOCATION: NE7-5-10E

OWNER: INLAND WATERS BRANCH

DRILLER: D.C.L. DRILLING

WELL NAME:

WELL USE: TEST WELL

WATER USE:

DATE COMPLETED: JUN 07, 1966

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	2.0	YELLOW SAND
2.0	4.0	BROWN SANDY GRAVEL
4.0	55.0	FINE TO MEDIUM SAND
55.0	365.8	GREY SILTY CLAY
365.8	367.8	GRAVEL
367.8	434.7	GREY PEBBLY SILTY CLAY
434.7	454.7	TILL, GREY AND WHITE
454.7	477.7	GREEN SHALE

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: FT. BELOW GROUND

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

100 FT S + 28 FT W OF SE CLINE, GROUND LEVEL ELEV EST 1260 FT

LOCATION: NE7-5-10E

OWNER: WRB
DRILLER: D.C.L. DRILLING
WELL NAME: G05OE001 SANDILANDS # 1
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: JUN 10, 1966

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.5	FINE SAND
1.5	21.0	FINE SAND, GRAVEL AND BOULDERS
21.0	49.0	FINE SAND

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	49.0	CASING	8.00			IRON	
10.0	49.0	PERFORATIONS	8.00			SL. PIPE	IRON

TOP OF CASING: 1.0 FT. ABOVE GROUND

PUMPING TEST

DATE:
PUMPING RATE: ?? IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 28.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

81 FT SW OF PR 210, 79 FT W OF N/S RD ALLOWANCE GROUND LEVEL ELEV
MEASURED 383.484 M DISCONTINUED SEPT 25, 1996. REPLACED BY NEW WELL
20FT. EAST

LOCATION: NE7-5-10E

OWNER: WRB
DRILLER: PERIMETER DRILLING LTD.
WELL NAME: G05OE001 SANDILANDS # 1
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: NOV 17, 1995

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	43.0	SAND, FINE, SILTY
43.0	55.5	SAND, COARSER
55.5	60.0	CLAY, GREY, SOFT

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	49.0	CASING	5.00			INSERT	BLACK IRON
49.0	54.0	PERFORATIONS	5.00		0.010		WIRE WOUND S. S.

TOP OF CASING: 2.5 FT. ABOVE GROUND

PUMPING TEST

DATE:
PUMPING RATE: IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 43.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

REPLACEMENT WELL FOR 05OE001, 150 FT SW OF PR # 210 + APPROX 20 FT E
OF OLD WELL, EC=380

LOCATION: NE7-5-10E

OWNER: WRB

DRILLER: FRIESEN DRILLERS LTD.

WELL NAME: SITE # 1

WELL USE: TEST WELL

WATER USE:

DATE COMPLETED: SEP 21, 1998

WELL LOG

FROM To LOG

(FT.) (FT.)

0 1.0 SOD AND GROUND COVER
1.0 5.5 MEDIUM SAND WITH MEDIUM ROUNDED PEBBLES
5.5 12.0 SOFT GREY TILL
12.0 49.0 GREY, BROWN, FINE SAND, SOME SILT
49.0 50.5 SOFT GREY CLAYEY TILL
50.5 62.0 FINE GREY SAND
62.0 64.0 SOFT GREY CLAYEY TILL
64.0 74.0 COMPACTED, SLIGHTLY CEMENTED, GREY SAND
74.0 80.0 FINE GRAINED CLAYEY SAND
80.0 94.0 BLACK-GREY FINE SAND
94.0 97.0 SANDY GREY TILL WITH SMALL SAND STRINGERS
97.0 102.0 GREY CLAY
102.0 109.0 SAND, VERY FINE GREY, SOME SILT
109.0 112.0 CLAY, VERY COHESIVE, SHALE LIKE
112.0 119.0 CLAY, SLIGHTLY LESS COHESIVE
119.0 133.0 SAND, FINE GREY
133.0 148.0 CLAY, GREY, SMALL SAND STRINGERS
148.0 163.0 TILL, GREY, SOFT WITH 5-3 CM PEBBLES
163.0 175.0 SAND, VERY FINE, GREY-BLACK, CLEAN
175.0 183.0 TILL, SOFT, GREY, INTERMITTENT SAND LENSES
183.0 189.0 FINE SAND, GREY-BLACK, CLEAN
189.0 203.0 TILL, CLAYEY, GREY, SOFT
203.0 205.0 SHALE, DARK GREY
205.0 214.0 SAND, CEMENTED, FINE, GREY-BLACK
214.0 217.0 TILL, GREY
217.0 230.5 SAND, GREY-BLACK, FINE
230.5 235.0 TILL, SOFT, GREY
235.0 251.0 CLAY, MORE COHESIVE THAN TILL ABOVE
251.0 251.5 TILL LAYER
251.5 254.0 SAND, FINE, GREY-BLACK
254.0 320.0 TILL, GREY, CLAYEY, SOME SAND GRIT

NO CONSTRUCTION DATA FOR THIS WELL.

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

GEOLOGICAL TEST HOLE, NEXT TO WRB SANDILANDS # 1, HOLE LEFT OPEN,

POSSIBLE OBSERVATION WELL INSTALLATION TO FOLLOW

LOCATION: NE12-5-10E

OWNER: DAUCH
DRILLER: KIANSKY BROS.
WELL NAME: MRGQI NE12-5-10E
WELL USE: PRODUCTION
WATER USE: DOMESTIC, LIVESTOCK
DATE COMPLETED: NOV 20, 1987

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	3.0	SAND
3.0	15.0	YELLOW CLAYEY TILL
15.0	25.0	GREY HARDPAN
25.0	28.0	GREY SILT
28.0	45.0	GREY TILL HARDPAN
45.0	55.0	GREY FINE SILT
55.0	60.0	GREY SAND, FINE
60.0	70.0	COARSE SAND
70.0	75.0	HARDPAN

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	63.0	CASING	4.00			INSERT	PVC
63.0	68.0	PERFORATIONS	3.00		0.012		WIRE WOUND S. S.
55.0	70.0	GRAVEL PACK					SILICA S.

TOP OF CASING: 2.0 FT. BELOW GROUND

PUMPING TEST

DATE: NOV 20, 1987
PUMPING RATE: 60.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 11.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 25.0 FT. BELOW GROUND
TEST DURATION: HOURS, 30 MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

MRGQI

LOCATION: SW12-5-10E

OWNER: A McLEAN
DRILLER: KIANSKY BROS.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: OCT 20, 1986

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	46.0	FINE ORANGE SAND
46.0	53.0	COARSE YELLOW GRAVELLY SAND
53.0	56.0	GREY CLAY

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	48.0	CASING	4.00			INSERT	PVC
48.0	53.0	PERFORATIONS		3.50			WIRE WOUND S. S.
45.0	55.0	GRAVEL PACK					SILICA S.

TOP OF CASING: 1.0 FT. BELOW GROUND

PUMPING TEST

DATE: OCT 20, 1986
PUMPING RATE: 30.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 23.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 45.0 FT. BELOW GROUND
TEST DURATION: 1 HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NE13-5-10E

OWNER: WIRGON BROS
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME:
WELL USE: PRODUCTION
WATER USE: DOMESTIC
DATE COMPLETED: JUL 08, 1976

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	35.0	SAND-FINE
35.0	40.0	TILL-BLUE
40.0	51.0	FINE SAND
51.0	129.9	TILL FIRM AND SANDY
129.9	159.9	SAND FINE TO MEDIUM

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	151.9	CASING	4.25			INSERT	BLACK IRON
151.9	156.9	PERFORATIONS			0.018	WIRE WOUND	S.S.
149.9	157.9	GRAVEL PACK				NO. 10-30	SILICA S.

TOP OF CASING: FT. BELOW GROUND

PUMPING TEST

DATE:
PUMPING RATE: 15.0 IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 35.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: 65.0 FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

LOCATION: NW13-5-10E
OWNER: WRB
DRILLER: PERIMETER DRILLING LTD.
WELL NAME: G05PH002 SILA # 3(95-3)
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: Nov 10, 1995

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	TOPSOIL
1.0	12.0	SAND, FINE, BROWN
12.0	16.0	CLAY, SILTY, GREY-BROWN
16.0	34.0	TILL, SILTY, BEIGE
34.0	70.0	TILL, GREY, SOFT
70.0	74.0	SAND, VERY FINE, GREY, SILTY
74.0	103.9	TILL, GREY, SILTY
103.9	111.9	TILL, COARSE, GRAVELLY
111.9	116.9	TILL AND GRAVEL LAYERS
116.9	125.9	TILL, GREY, STONY
125.9	137.9	CLAY, GREY, SILTY
137.9	225.9	TILL, GREY, SILTY
225.9	309.8	GRAVEL WITH ODD TILL LAYER
309.8	315.8	TILL, GREY, SILTY
315.8	377.8	TILL, GREY, CLAYEY
377.8	391.7	SHALE, RED
391.7	401.7	GRANITE, RED, PINK

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	281.8	CASING	5.00			INSERT	BLACK IRON
281.8	286.8	PERFORATIONS	5.00		0.010		WIRE WOUND S. S.

TOP OF CASING: 3.5 FT. ABOVE GROUND

PUMPING TEST

DATE:
PUMPING RATE: IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 20.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: HOURS, MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

50 FT S OF E/WRD ALLOW + 600 FT W OF N/S 1/2 MI LINE

LOCATION: SE17-5-10E

OWNER: GSC
DRILLER: MAPLE LEAF ENTERPRISES LTD.
WELL NAME: 9806-3
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: JUL 08, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	2.5	FINE TO MEDIUM SAND
2.5	5.0	FINE SAND, NO PEBBLES
5.0	7.5	CLAYEY SILTY SAND, SOME ROUNDED STONES
7.5	9.5	SILTY SAND
9.5	17.5	MEDIUM TO FINE SAND, SOME LARGE GRANITE STONES, WATER AT 16 FEET
17.5	20.0	FINE LAYER OF SAND
20.0	40.0	MEDIUM SAND, SMALL ROUNDED PEBBLES, 3 MM IN DIAMETER
40.0	42.5	MEDIUM TO COARSE SAND
42.5	45.0	MEDIUM SAND AND GRAVEL, ROUNDED STONES, 1 CM IN DIAMETER

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	44.0	CASING	2.00			PVC	
44.0	45.0	PERFORATIONS		2.00		PERF. PIPE	PVC

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SANDILANDS RECHARGE STUDY, ON TRAIL 17, 950 MS OF TRAIL 16, 19 MW
OF CL OF TRAIL 17, 2 OTHER PIEZOMETERS IN SEPARATE HOLE AT SAME
SITE,
9806-1 SCREENED 33-34 FT AND 9806-2 SCREENED 22-23 FT

LOCATION: NW18-5-10E
 OWNER: WRB
 DRILLER: FRIESEN DRILLERS LTD.
 WELL NAME: G05OE040 GSC# 2
 WELL USE: OBSERVATION
 WATER USE:
 DATE COMPLETED: SEP 22, 1998

WELL LOG

FROM To LOG
(FT.) (FT.)

0 10.0 MEDIUM SAND AND GRAVEL, MEDIUM PEBBLES
 10.0 12.0 LARGER STONES IN SAND
 12.0 53.0 MEDIUM SAND WITH FREQUENT PEBBLES
 53.0 70.0 MEDIUM SAND WITH LARGER PEBBLES
 70.0 80.0 TILL, GREY, SOFT
 80.0 94.0 SAND, BROWN, MEDIUM CLEAN
 94.0 108.0 SAND, BROWN, FINE, CLEAN
 108.0 136.0 TILL, GREY, SOFT, PASTY
 136.0 139.5 SAND, MEDIUM TO COARSE, PEBBLES
 139.5 171.0 TILL, GREY, SOFT, GRITTY
 171.0 195.0 SAND, GREY, FINE, FEW PEBBLES
 195.0 214.0 SAND, GREY, MEDIUM, MORE PEBBLES
 214.0 219.0 SAND, MEDIUM, PEBBLES, SMALL STONES
 219.0 240.0 MEDIUM SAND AND GRAVEL
 240.0 242.0 TILL
 242.0 254.0 FINE SILTY SAND
 254.0 255.0 FINE SILTY SAND
 255.0 255.0 AS ABOVE WITH MEDIUM SAND AND GRAVEL
 255.0 273.0 FINE SAND WITH MEDIUM SAND AND GRAVEL
 273.0 280.0 SILTY SANDY TILL
 280.0 295.0 SAND AND TILL
 295.0 298.0 TILL WITH SOME VERY FINE SAND
 298.0 302.0 TILL
 302.0 330.0 TILL, FIRM WITH SOME CLAY

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	228.0	CASING	2.00			T&C	BLACK IRON
228.0	233.0	PERFORATIONS		2.00	0.012		WIRE WOUND S. S.

TOP OF CASING: 3.0 FT. ABOVE GROUND
 NO PUMP TEST DATA FOR THIS WELL.
 REMARKS

18 MSW OF PR# 210 & S OF RD TO ST LABRE

LOCATION: NW18-5-10E

Owner: UNIVERSITY OF MANITOBA
Driller: Friesen Drillers Ltd.
Well Name: GRANT 1
Well Use: OBSERVATION
Water Use:
Date Completed: 2000 Oct 19

WELL LOG

From (ft.)	To (ft.)	Log
0	15.0	SAND
15.0	20.0	FINE GRAVEL WITH COARSE SAND
20.0	38.0	FINE SAND
38.0	60.0	FINE GRAVEL WITH SAND
60.0	84.0	COARSE SAND, SOME FINE GRAVEL
84.0	90.0	COARSE SAND WITH FINE SAND, TRACE CLAY
90.0	117.0	FINE TO MEDIUM SAND
117.0	136.0	CLAY, SOME SILT, SOME SAND, SILTY CLAY TILL
136.0	144.0	COARSE SAND AND CLAY, TRACE FINE GRAVEL
144.0	238.0	FINE SAND, SOME SILT, TRACE CLAY
238.0	307.0	COARSE SAND WITH CLAY, SOME SILT, SOME COARSE AND FINE SAND
307.0	423.0	CLAY, SOME COARSE SAND, SOME SILT
423.0	439.0	COARSE SAND, ANGULAR GRANITE
439.0	441.0	GRANITE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	320.0	CASING	2.00			INSERT	PVC
320.0	440.0	CASING	2.00			T & C	BLACK IRON
0	440.0	CASING				GROUT	

Top of Casing: 0.0

No pump test data for this well.

REMARKS

THERMAL STUDY SANDILANDS. LOCATED AT PR 210 AND 54 LABRE RD.
GROUTED ENTIRE LENGTH. NO SCREEN, CASING FILLED WITH WATER/
GLYCOL MIXTURE.

LOCATION: SE19-5-10E

OWNER: GSC/WRB
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME: G05OH039 WRB9901
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: SEP 24, 1999

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	SOIL
1.0	7.0	MEDIUM TO COARSE SAND, BROWN
7.0	15.0	MEDIUM SAND, BROWN
15.0	25.0	MEDIUM TO COARSE SAND, BROWN
25.0	47.0	MEDIUM SAND, GREY-BROWN
47.0	48.0	SILT, LIGHT BROWN
48.0	56.0	MEDIUM TO FINE SAND, GREYISH BROWN
56.0	57.0	SILT, LIGHT BROWN
57.0	68.0	MEDIUM TO FINE SAND, LIGHT BROWN
68.0	80.0	FINE TO MEDIUM SAND, GREYISH BROWN

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA. (IN)	OUTSIDE DIA. (IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	70.5	CASING				STEEL	
70.5	75.5	PERFORATIONS		5.00	0.015	WIRE WOUND	S. S.
0	19.0	CASING GROUT					BENTONITE
19.0	28.0	CASING GROUT					BENTONITE
28.9	80.0	GRAVEL PACK					QUARTZ S.

TOP OF CASING: 0.0

PUMPING TEST

DATE: SEP 24, 1999
PUMPING RATE: ?? IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 41.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F
REMARKS
PIEZOMETER NEST, N SIDE OF TRAIL 16, .6 KME OF PR # 210, 2 INCH
WASHDOWN ASSEMBLY 75.5-76 FT

LOCATION: SE19-5-10E

OWNER: GSC
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME: GSC9901-1 GSC9901-2 GSC9901-3
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: SEP 23, 1999

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	1.0	SOIL
1.0	10.0	MEDIUM SAND, BROWN
10.0	15.0	COARSE SAND
15.0	47.0	MEDIUM SAND
47.0	62.0	COARSE SAND
62.0	64.0	SANDY SILT
64.0	78.0	MEDIUM SAND
78.0	107.0	FINE SAND
107.0	123.0	MEDIUM TO FINE SAND
123.0	133.0	ALTERNATING SAND AND CLAYEY SILT INTERBEDS, APPROXIMATELY 4-6 INCHES THICK
133.0	141.0	FINE SAND
141.0	150.0	ALTERNATING SAND AND CLAYEY SILT INTERBEDS, APPROXIMATELY 4-6 INCHES THICK
150.0	154.0	CLAYEY SILT, GREY
154.0	168.0	COARSE SAND WITH SOME GRAVEL
168.0	175.0	SILT OR SILT TILL
175.0	197.0	COARSE SAND WITH MINOR GRAVEL
197.0	200.0	SANDY SILT TILL

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	50.5	CASING	1.30			INSERT	PVC
50.5	55.5	PERFORATIONS		1.30		SL. PIPE	PVC
0	110.0	CASING	1.30			INSERT	PVC
110.0	120.0	PERFORATIONS		1.30		SL. PIPE	PVC
0	181.0	CASING	1.30			INSERT	PVC
181.0	191.0	PERFORATIONS		1.30		SL. PIPE	PVC
0	6.6	CASING GROUT					BENTONITE
6.6	35.8	CASING GROUT					CEMENT
35.8	45.1	CASING GROUT					BENTONITE
45.1	69.2	GRAVEL PACK					QUARTZ S.
69.2	93.8	CASING GROUT					BENTONITE

93.8 128.3 GRAVEL PACK
128.3 167.3 CASING GROUT
167.3 200.0 GRAVEL PACK

QUARTZ S.
BENTONITE
QUARTZ S.

TOP OF CASING: 0.0

PUMPING TEST

DATE: SEP 23, 1999
PUMPING RATE: ?? IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 41.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

PIEZOMETER NEST, N SIDE OF TRAIL 16, .6 KME OF PR# 210, 8 FT OF 4
INCH CASING AT SURFACE

LOCATION: SE19-5-10E

OWNER: GSC
DRILLER: FRIESEN DRILLERS LTD.
WELL NAME: GSC9901-4
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: SEP 22, 1999

WELL LOG

FROM (FT.)	To (FT.)	LOG
0	1.0	SOIL
1.0	13.0	MEDIUM SAND, BROWN
13.0	47.0	MEDIUM TO FINE SAND, GREY-BROWN
47.0	58.0	SILT, BROWN
58.0	62.0	FINE TO MEDIUM SAND
62.0	69.5	SILT, LIGHT BROWN
69.5	77.5	FINE SAND
77.5	95.0	MEDIUM TO FINE SAND
95.0	115.0	FINE SAND
115.0	135.0	SILT OR SILT TILL, GREY
135.0	137.0	SAND
137.0	146.0	CLAYEY SILT OR CLAYEY SILT TILL, GREY
146.0	146.5	CLAY
146.5	149.0	CLAYEY SILT OR CLAYEY SILT TILL, GREY
149.0	159.0	COARSE SAND WITH GRAVEL LAYERS
159.0	181.0	GRAVEL WITH COARSE SAND
181.0	191.0	GRAVEL
191.0	200.0	COARSE SAND WITH GRAVEL
200.0	287.0	SANDY SILT TILL
287.0	288.0	GRANITE BOULDER
288.0	301.0	SANDY SILT TILL
301.0	288.0	GRANITE BOULDER
288.0	301.0	SANDY SILT TILL
301.0	312.0	SILTY CLAY TILL, GREY
312.0	329.0	SANDY SILT TILL, LIGHT GREY
329.0	383.0	SILTY CLAY TILL, GREY
383.0	421.0	SANDY SILT TILL, SAND LENSES WITHIN TILL AT 415 FEET
421.0	428.0	COARSE SAND AND GRAVEL
428.0	433.0	SANDY SILT TILL, LIGHT GREY
433.0	434.0	LIMESTONE BOULDER
434.0	446.0	CLAYEY SILT TILL
446.0	450.0	GRANITE BOULDER
450.0	479.0	CLAYEY SILT TILL, GREY

479.0 488.0 SAND OR SANDSTONE
488.0 507.0 SANDSTONE
507.0 516.0 GRANITE RUBBLE
516.0 522.5 GRANITE

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE (IN)	TYPE	MATERIAL
0	490.0	CASING	3.00			INSERT	PVC
490.0	500.0	PERFORATIONS		4.00			SL. PIPE PVC
500.0	522.0	CASING	3.00			INSERT	PVC
0	23.0	CASING GROUT					CEMENT
23.0	200.0	CASING GROUT					BENTONITE

TOP OF CASING: 0.0

PUMPING TEST

DATE: SEP 22, 1999
PUMPING RATE: ?? IMP. GALLONS/MINUTE
WATER LEVEL BEFORE PUMPING: 41.0 FT. BELOW GROUND
PUMPING LEVEL AT END OF TEST: ?? FT. BELOW GROUND
TEST DURATION: ??? HOURS, ?? MINUTES
WATER TEMPERATURE: ?? DEGREES F

REMARKS

N SIDE OF TRAIL 16, .6 KME OF PR # 210, 2 INCH WASHDOWN ASSEMBLY
522-522.5 FT, LOST CIRCULATION ON GROUT LINE, INSERTED 2ND GROUT
LINE
TO 200 FT, GROUT MAY HAVE SANK INTO DRILLING MUD, ADDED ENOUGH
GROUT
TO FILL ALMOST 200 M OF ANNULUS, FORMATION TAKING IN BENTONITE
GROUT,
LEVEL DROPPING INHOLE, 7 BAGS OF SAND LIKELY DID NOT REACH
SCREEN, 2
BAGS OF HOLEPLUG ADDED AT SURFACE, GROUT AND HOLEPLUG LEVEL
DROPPED

LOCATION: NW21-5-10E

OWNER: GSC
DRILLER: MAPLE LEAF ENTERPRISES LTD.
WELL NAME: 9801-3
WELL USE: OBSERVATION
WATER USE:
DATE COMPLETED: JUL 06, 1998

WELL LOG

FROM (FT.)	TO (FT.)	LOG
0	106.0	MEDIUM TO COARSE SAND, 3 MM DIAMETER ROUNDED PEBBLES INCREASING PEBBLE SIZE WITH DEPTH
6.0	12.5	SAND, SLIGHTLY FINER WITH DEPTH
12.5	15.0	MEDIUM SAND, SMALL ROUNDED PEBBLES, LARGER STONE AT 13.5 FEET
15.0	20.0	MEDIUM CLEAN SAND, NO PEBBLES
20.0	25.0	MEDIUM TO COARSE CLEAN SAND, GETTING MORE MOIST
25.0	27.5	COARSER MEDIUM SAND
27.5	30.0	COARSE SAND, WATER AT 28 FEET
30.0	55.0	SATURATED, COARSE SAND, FEW VERY SMALL PEBBLES

WELL CONSTRUCTION

FROM (FT.)	TO (FT.)	CASING TYPE	INSIDE DIA.(IN)	OUTSIDE DIA.(IN)	SLOT SIZE(IN)	TYPE	MATERIAL
0	54.0	CASING	2.00			PVC	
54.0	55.0	PERFORATIONS		2.00		PERF. PIPE	PVC

TOP OF CASING: 0.0

NO PUMP TEST DATA FOR THIS WELL.

REMARKS

SANDILANDS RECHARGE STUDY, ON TRAIL 17, 26 ME OF CL OF RD, 1100 MN
OF TRAIL 16, 2 OTHER PIEZOMETERS IN SEPARATE HOLES AT SAME SITE,
9801-1 SCREENED 34-35 FT AND 9801-2 SCREENED 44-45 FT

LOCATION: SW4-6-10E

Owner: GSC
Driller: Maple Leaf Enterprises LTD.
Well Name: 9802-3
Well Use: OBSERVATION
Water Use:
Date Completed: 1998 Jul 06

WELL LOG

From (ft.)	To (ft.)	Log
0	2.5	MEDIUM ORANGE CLEAN SAND
2.5	5.0	MEDIUM CLEAN SAND
5.0	13.0	MEDIUM TO FINE SAND, WATER AT 8 FEET, LIKELY A PERCHED WATER TABLE ABOVE TILL UNIT
13.0	15.0	SILTY SANDY TILL
15.0	17.5	SILTY SANDY TILL WITH SOME ANGULAR PEBBLES
17.5	20.0	SILTY SAND, SOME ANGULAR PEBBLES
20.0	31.0	FINE SAND, SOME SILT AND PEBBLES
31.0	35.0	MEDIUM SAND WITH PEBBLES, WATER AT 32 FEET

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	34.0	CASING	2.00				PVC
34.0	35.0	PERFORATIONS		2.00			PERF. PIPE PVC

Top of Casing: 0.0

No pump test data for this well.

REMARKS

206 ME ON A SIDE TRAIL OFF OF TRAIL 17, AT TRAIL 17 AND TRAIL
INTERSECTION, 5 MN OF CL OF SIDE RD, 2 OTHER PIEZOMETERS IN
SEPARATE
HOLES BUT AT THE SAME SITE, 9802-1 IS SCREENED 14-15 FT & 9802-2
SCREENED 24-25 FT

LOCATION: SE15-6-10E

Owner: WRB
Driller: Echo Drilling Ltd.
Well Name: SILA 98-2
Well Use: TEST WELL
Water Use:
Date Completed: 1998 Nov 02

WELL LOG

From (ft.)	To (ft.)	Log
0	14.5	SAND AND LIGHT GRAVEL, LIMESTONE AND GRANITE
14.5	46.0	SAND AND LIGHT GRAVEL, BROWN AND RED
46.0	46.5	TILL, SANDY
46.5	55.0	SAND AND LIGHT GRAVEL
55.0	80.0	SAND, FINE, BROWN, SOME THIN TILL SEAMS
80.0	104.0	SAND, FINE, BROWN, SOME THIN CLAY LAYERS THROUGHOUT
104.0	106.0	CLAY, GREY, SILTY
106.0	160.0	SAND, FINE, GREY, CEMENTED, GREY CLAY SEAMS AT 147, 152 AND 159 FEET, EACH 3-6 INCHES
160.0	166.0	CLAY, GREY, VERY SILTY
166.0	168.0	TILL, GREY, SILTY, HARD
168.0	170.5	GRAVEL, LIMESTONE AND PINK GRANITE
170.5	178.0	TILL, GREY, STIFF, CLAYEY
178.0	181.0	GRAVEL SEAM
181.0	187.0	TILL, VERY CLAYEY, STIFF
187.0	189.0	GRAVEL SEAM, LIMESTONE AND RED GRANITE
189.0	238.0	SAND, FINE, GREY, CEMENTED
238.0	238.5	CLAY, SEAM, GREY
238.5	286.0	SAND, FINE, GREY, CEMENTED
286.0	301.0	TILL, GREY, STIFF, SILTY
301.0	318.0	TILL, PINKISH, SANDY
318.0	340.0	TILL, GREY, SILTY, STIFF
340.0	361.0	TILL, PINK, CLAYEY
361.0	364.5	GRANITE RUBBLE, PINK
364.5	370.0	GRANITE BEDROCK, PINK

No construction data for this well.

Top of Casing: 0.0

No pump test data for this well.

REMARKS

SILA WELL, 600 FT W OF N/S TRAIL # 20, GAMMA LOGGED, GROUTED AND
ABANDONED