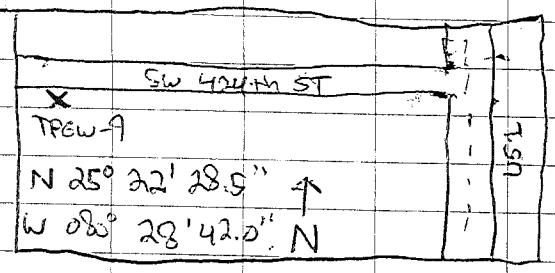
TPGW-6 (7 May 2010)
(Deep well)

1020 - SAND 1 bag @ 94'
1025 - bentonite 1+1+1+1/2+1 = 6 buckets
1055 tag - 89'
1055 - SAND 1/2+ 1/2+ tag 88'
1100 - gravel 1+1 tag 80'
1105 - SAND 1 bag tag 79.0
1105 - bentonite 1 bucket - tag 78'

1115 - Ready to set cement on all three wells

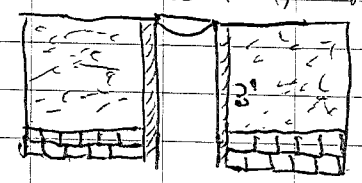
10 May 2010

0915 Arrive at TPGW-7
0917 Drillers Arrive
0945 Begin Drilling with Auger bit



1005 Drilled to 3' below ground surface
1007 Setting 3' Sch 40 10" pvc
Bedrock at ~2.5' below ground surface
1024 Grouting surface casing with 1 bag Portland cement

10 May 2010 cont'd



1100 ~~core~~ lead core bit is 10.5'
1102 Mudpan is 32" High
1105 Preparing to core

1145 Start Core Run #1

	3-4	0m	35s	16" of 60"
Run #1	4-5	0m	50s	~~too~~
	5-6	5m	40s	~~Rub~~
	6-7	3m	34s	27 % rec
	7-8	3m	47s	0" WC
				16" Rub

1204 Complete Run

1153 YSI of water pumped from supply well (15') = 635 us 24.7°C

1256 Start core run #2

	8-9	0m	20s	48" of 60"
Run #2	9-10	0m	48s	
	10-11	4m	33s	80 % Rec
	11-12	0m	34s	36" WC
	12-13	0m	43s	12" Rub

1305 Complete Run

1207 Stop for lunch
1240 Resume work

10 May 2010 cont'd

1325 Start Core Run #3

13-14	0m	45s	55" of 60"
14-15	1m	20s	92 % Rec
15-16	3m	10s	38" wc
16-17	1m	25s	17" Rub
17-18	1m	17s	

Run #3

1334 complete Run

1331 Driller added tiger mud.

1458 start core Run #4

18-19	2m	55s	37" of 60"
19-20	1m	10s	62 % Rec
20-21	0m	15s	34" wc
21-22	0m	17s	3" Rub
22-23	3m	17s	

Run #4

1510 Complete Run

1405 Drillers pulled all casing out, Problem with drill bit.

1420 casing back in hole to 18',

1425 attempting to lock core barrel to bottom of casing

1453 Resumed Drilling

1457 Tiger mud added

1515 1st piece of core in Run #4 Dropped, unknown orientation

10 MAY 2010 Cont.

1521 Start Core Run #5

23-24	4m	20 sec	45" of 60"
24-25	2m	08 sec	75 % Rec
25-26	1m	54 sec	43" wc
26-27	2m	00 sec	2" Rub
27-28	2m	40 sec	

1544 complete Run

1531 Add tiger Mud

1537 Add tiger mud

1559 Start Core Run #6

28-29	5m	09 sec	9" of 60"
29-30	7m	54 sec.	15 % Rec
30-31	3m	47 sec.	6" wc
31-32	3m	50 sec.	3" Rub
32-33	1m	00 sec	

1621 complete Run

1640 Stop Drilling for the day

1645 Depart Site

11 May 2010

0830 Arrive at TPGW9, Drillers on Site

0840 preparing to drill

11 MAY 2010

0855 start Core Run #7

33-34	0m	38 sec	
34-35	0m	20 sec	35" of 60"
35-36	3m	14 sec	58 % Rec
36-37	5m	9 sec	27" [redacted] wc
37-38	14m	31 sec	1" [redacted] Rub

0932 complete Run

0958 Tiger mud added

0900 more Tiger mud added

0955 Drillers pulled all casing out

1017 All core from Run #7 cannot be oriented

1044 Start Core Run #8

38-39	1m	00 sec	47" [redacted]" of 60"
39-40	0m	43 sec	78 % Rec
40-41	0m	20 sec	38" [redacted] wc
41-42	0m	24	9" [redacted] Rub
42-43	0m	15	

1047 complete Run

1020 Core barrel had to be pulled. core fell out of barrel into casing. All casing was pulled. core cannot be properly oriented.

11:04 bottom piece later recovered

11 may 2010

1107 start core Run #9

43-44	0m	26 sec	57" of 60"
44-45	0m	35 sec	95 % Rec
45-46	1m	28 sec	50" wc
46-47	0m	31 sec	7" Rub
47-48	0m	22 sec	

1111 [redacted] complete Run

1225 Start Core Run #10

48'-49'	0m	45 sec	29" of 60"
49'-50'	1m	17 sec	10 % Rec
50'-51'	2m	13 sec	19 [redacted] wc
51'-52'	1m	41 sec	13 Rub
52'-53'	3m	02 sec	

1235 complete Run

1137 Drillers stop for Lunch

1214 Drillers return to work

1246 start core Run #11

53-54	0m	[redacted] 12 sec	7" of 60"
54-55	0m	15 sec	12 % Rec
55-56	0m	[redacted] 14 sec	7" wc
56-57	0m	[redacted] 57 sec	0" Rub
57-58	0m	[redacted] 10 sec	

1248 complete Run

1248 Added Tiger mud

11 may 2018

1257 Start Core Run #12

58-59	0m	11sec	3" of 60"
59-60	0m	14sec	5 % Rec
60-61	0m	14sec	3" wc
61-62	0m	14sec	0" Rub
62-63	0m	15sec	

1259 Complete Run

1307 Start Core Run #13

63-64	0m	13sec	16" of 60"
64-65	0m	36sec	27 % Rec
65-66	0m	51sec	0" wc
66-67	0m	23sec	16" Rub
67-68	0m	8sec	

1310 Complete Run

1308 Added Tiger mud + continued to use

1319 Start Core Run #14

68-69	0m	14sec	8" of 60"
69-70	0m	19sec	13 % Rec
70-71	0m	14sec	~~wc~~
71-72	0m	16sec	8" Rub + Sand
72-73	0m	11sec	

1321 Complete Run

1325 Run #14 may have reached bottom of Biscayne

11 may 2010

1330 Start Core Run #15

73-74	0m	10sec	0" of 60"
74-75	0m	15sec	0 % Rec
75-76	0m	9sec	0 wc
76-77	0m	13sec	0 Rub
77-78	0m	8sec	No recovery

1331 Complete Run

1344 Start Core Run #16

78-79	0m	7sec	17" of 60"
79-80	0m	7sec	28 % Rec
80-81	0m	8sec	17" Rub + SAND
81-82	0m	7sec	
82-83	0m	8sec	

1345 Complete Run

1343 Added Tiger mud

1359 Start Core Run #17

83-84	0m	7sec	39" of 60"
84-85	0m	8sec	65% Rec
85-86	0m	8sec	39" Rub + SAND
86-87	0m	8sec	
87-88	0m	7sec	

1359 Complete Run

11 may 2010

1411 Start core Run #18

88-89	14 sec	30" of 60"
89-90	7 sec	50% Rec
90-91	11 sec	30" sand
91-92	15 sec	
92-93	34 sec	

1413 complete Run

1431 complete drilling, depart site

12 MAY 2010

0815 Arrive at TPGW-9

0930 Driller helper arrive with air-lift device. Setting up to air lift.

1000 Mike the Driller arrives

1030 Begin air lift @ 30-ft

1039 Begin air lift @ 40-ft

1048 Begin air lift @ 50-ft

1055 Begin air lift @ 60-ft

1104 Begin air lift @ 70-ft

1115 Begin air lift @ 75-ft

1120 Hose clamp broken

1125 Return with new hose.

1311 Begin again at ~75 ft

1320 Begin air-lift @ 80 ft.

12 MAY 2010 cont'd

1350 Begin air lift @ 85-ft
Water is 579 mS.

1405 Begin air lift @ 90 ft

1417 Air lift complete to 95 ft.
Begin to run until clear.

1435 Water clear, end air lift.
Begin pulling pipe.

1520 Pipe out, Hole open to 95-ft.

13 MAY 2010

8:55 Arrived at TPGW1 Drillers performing prep work on rig.

10:05 Drillers left to get part.

1110 Drillers returned and back to work.

1220 Driller left to get part others continued to repair.

1310 Driller returned with parts + continued repairs.

1430 Drillers needed more parts
I Left Site.