

4/8/10 TPGW-10

13:00 - on site

13:10 BACKGROUND Wain Bay

- INSIDE BERM

SC = 98290 μ S/cm

T = 24.8 °C

Turbidity = 4.55 ntu, 383 ntu, 4136 ntu

pH = 8.34

13:26 - OUTSIDE OF BERMSC = 49000 μ S/cm

T = 25.10 °C

Turbidity = 2.54 ntu, 1.69 ntu, 2.13 ntu

pH = 8.33

DISCHARGE LIMIT FOR

TURBIDITY =

CB a Bottle 2'1" Below TOP of PW.

TOP of PW 2'1" ABOVE BARGE FLOOR.

CB = 13'2"

TOP of PW = 13'3" ABOVE BOTTOM BBS



$$\begin{array}{r} 25 \\ 13 \\ \hline 12 \end{array}$$
ADD 3' - 3'3" ABOVE DAN MP
16'2" OF STRUT

13:45 DEPTH	Run #1 MIN SEC
0-1'	00:50
1-2'	00:36
2-3'	00:30
3-4'	00:49
0.5'	00:57
1.5'	00:12
2.5'	01:13

0.5' FIRMER

~ 8% Rotation slope - 1m. rot sh

3'00:30

3.5 00:55

4' 01:19

4.5 01:47

4/8/10 TPGW-10 CORUSG
Run #1

DEPTH	MIN	SEC	NOTES
0-1	02:00	00	42' RECOVERY in 48"
1-2	00:36		88 % REC
2-3	00:30		40' WC
3-4	00:49		2" BLS.
	END CR #1		42" OF 48", — % REC.
0.5	00:57		WE = 40"
1.5	00:12		RWD = 2"
2.5	00:13		0.5' FIRMER
3.5	00:25		TD @ 3' 10" BLS.

14/04 Run #2

DEPTH	MIN	SEC	NOTES
4-5	00:59		
5-6	00:53		52' OF 60"
6-7	02:21		87 % RECOVERY
7-8	05:59		
8-9	05:06		WE = 38"
14:18	END CR #2		RWD = 14"
4.5	00:37		
5.5	00:11		
6.5	00:31		
7.5	03:56		TD @ 8' 10" BLS
8.5	01:44		

6' 8" inc rotah A/c hidden
~ 7' 4" - slow pen - inc rotah

15:20 - TALKED w/ PARK SERVICE

- OUTSIDE THE

15:21 - H₂O Qual in side barrier.

SC = 50000 u/cu

T = 25.6 °C

Rel = 12.93 atm, 12.78

ph = 8.35

OUTSIDE BARRIER TURBIDITY 3.47

15:37 START RUN #3

DEPTH	MIN	SEC	NOTES
9-10	01:25		21' OF 60"
10-11	4:31		35 % RECOVERY
11-12	02:29		
12-13	00:23		W.C. = 17"
13-14	00:26		RWD = 4"
15:47	END CR #3		
9.5	01:10		
10.5	01:58		• 10' 7" - faster pen
11.5	00:53		STILL FIRM
12.5	00:10		• 11' 10" - DROP
13.5	00:08		15:47 - TD CR #3 @ 14' BLS

cur. e 9'

4/8/10 TPGW-10

15:50 B.V. tripping out 6" CORE STRING

BIT 21"

- PLAN TO INSTALL CASING TO 10' BLS.

- TOP OF PAN IS ~15' ABOVE FLOOR.

- START W/ 8" BIT

21" BIT

15 DP = 16'9"

FLOOR:

8" THREADED PVC - I.D. 2.5"

1'9" BIT

25' STRW 26'9"

13'1" FLOOR 13'9"

17:23 - Drilled to 10' w/ 8" BIT.

17:40 - on land

18:15 - DROPPED OFF CORES TO MIKE W.

- out

07:45 e/w

4/9/10 TPGW-10

08:10 - on water site

PARAMETER	OUTSIDE BARREL	INSIDE BARREL
pH	8.32	8.34
SC ^(w)	50300	50200
T ^(°C)	25.0	25.0
① Th _h ^(w)	2.23	2.40
② Th _h ^(w)	2.19	1.88

09:49 B.V. TRIPPING IN 10" BIT.

10:35 B.V. RETURNED TO 8'9"

- 8 pieces of lengthened a/c (14' sub)

- ASPER MIKE 3 more @ SHOP.

10:44 • @ 10' BLS.

• CIRCULATING SCREENS

11:30 - PVC CASING TO ~8.5' BLS

- USE HYDRAULIC JACK TO BUMP CASING DOWN TO 10' BLS.

1.09 ft³ BOREHOLE8^{3/4} ID 0.417 ft³Annulus = 0.673 ft³/ft

10' LIFT = 50 gal

4/9/10 TPGW-10 POREZ

- TREMIE 20' - 1' STICK UP ABOVE PAN
- MUD PAN IS 13' ABOVE FLOOR
- TREMIE SET TO -6' BLS

11:55- mixing up 40 gal of grout (neat cement w/ 3 3/4 bags)

12:00- pumping grout.

12:05- Pumping Grout ended

- ATTACHING NEW WRENCH TO RIG

13:00- OUT TO LANDS - REATTACHING TURBID. ROOM TO CURRENT BLS.

13:15- UNLOADED ON LAND HEADING OUT

14:00 e TPGW-4

SHALLOW MW

TD = 27.4' BTOL - DTAG WAS SEPT.

TOL = 2.5' ALS

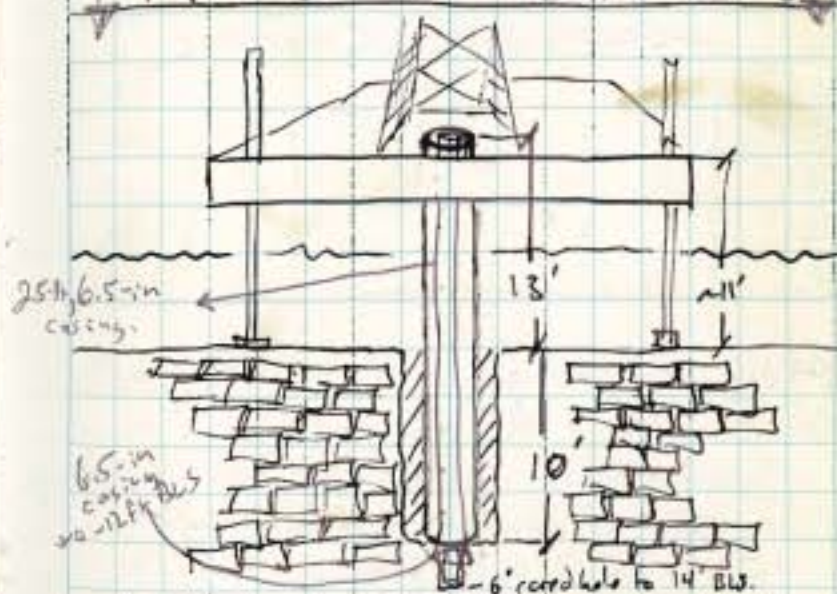
TD = 24.9' BLS.

INT. =

- TD = 43.8' BTOL - DTAG WAS SEPT.
- TOL = 1.7'
- TD = 42.1' BLS.

- LOCATED NEW DEEPMW LOCATION w/ STACY ROWS 40' FROM CENTERLINE

TPGW-10 SURF. CASING



- 8.75" O.D. SCH 80 PVC SURFACE CASING TO 10' BELOW BAY FLOOR
- 40 gal neat bristate cement.
- SURFACE CASING IS IN 6' SECTIONS, THREADED.

TPGW-10 CORELOG
10 APR 2010

START RUN #4

DEPTH	MIN	SEC	NOTES
14-15	:	:	"OF 60"
15-16	:	:	% RECOVERY
16-17	:	:	
17-18	:	:	W.C. = "
18-19	:	:	RUB. = "
END C.D. #4			
14.5'	:	:	
15.5'	:	:	
16.5'	:	:	
17.5'	:	:	
18.5'	:	:	

- 0840 Arrive at TPGW-10
 0855 Start diesel
 Install 25-ft of 6.5-in casing.
 1135 Pulled 6.5-in casing and
 discovered bottom 5-feet
 of casing is separated and in
 bottom of hole.
 1310 Fished out broken 6-in casing

10 APR 2010

START RUN #5

DEPTH	MIN	SEC	NOTES
19-20	:	:	"OF 60"
20-21	:	:	% RECOVERY
21-22	:	:	
22-23	:	:	W.C. = "
23-24	:	:	RUB. = "
END C.D. #5			
19.5'	:	:	
20.5'	:	:	
21.5'	:	:	
22.5'	:	:	
23.5'	:	:	

- 1358 NEW casing shoe required.
 Setting 25-ft of 6.5-in casing
 1439 25-ft below mud tank neck
 of 6.5-in casing set.
 Prepare to core.
 1525 Ready to core.

TPGW-10 13-18' interval

Start run # 4

VV soft	13-14	01	08	13-18' 0' Recovery (Empty)
	14-15	00	23	
	15-16	00	15	
	16-17	00	11	
	17-18	5	00	
Complete core run				6m 41 sec
	13.5	00	24	
	14.5	00	8	
	15.5			
	16.5	00 57		
	17.5	00	57	

Taped down to 31' (BTOC)
to 18'
$$\frac{0''}{0} \text{ at } 60''$$

$$\frac{0''}{0} \% \text{ Recovery } *$$

$$\frac{0''}{0''} \text{ W.C.}$$

$$\frac{0''}{0''} \text{ Rubble}$$
* Surface pipe fragment recovered
in core.

TPGW-10 JA, MW

Start run # 5 1550 hrs

DEPTH	MIN:SEC	NOTES
18-19	1 29	Circulation
19-20	3 38	adding tigre ^{salt}
20-21	6 22	slowly rotation hard
21-22	6 56	v soft - sand return
22-23	10 24	lost circula 22.7'
END OF # 5		1601 hrs
19.5	0 29	} Circulation
20.5	2 30	
21.5	6 35	
22.5	8 16	

Had circulator to 22.7', lost
Returns - sand size LS frags
$$\frac{21''}{35} \text{ of } 68''$$

$$\frac{0''}{35} \% \text{ Recovery}$$

$$\frac{0''}{21''} \text{ W.C.}$$

$$\frac{0''}{21''} \text{ Rubble}$$

TPGW-10 JA / MW

START RUN #5 1619 hrs		
DEPTH	MIN	SEC
23-24	0	:59
24-25	2	:30
25-26	3	:39
26-27	8	:17
27-28	20	:02

NOTES

NO CIRC

Adding Tiger Silt

NO CIRC

"

Circulating - Sand Ret.

END RUN #6 1639 hrs

23.5	0	:16
24.5	1	:36
25.5	3	:03
26.5	4	:47
27.5	15	:52

NO CIRC

8:52 Circ Returned

Sand returns w / circulation

Stopped penetrat @ 27.7'

To today 28'

16:53 hrs Left TPGW-10 site

17:27 hrs off site

RUN 6

of 60"

W.C.

0% REC

Ryb.

TPGW-10

11 APR 2010

START RUN #7 0953

28-29	0	:21	Circulation
29-30	1	:12	
30-31	2	:10	
31-32	4	:25	
32-33	8	:28	

END RUN #7

1002

28.5 0:06

29.5 0:47

30.5 1:41

31.5 3:03

32.5 6:45

62 of 60"

103 0% REC

62" W.C.

0" Rubble

TPGW-10

17 APR 2010

START RUN 8 1019

DEPTH	MIN	SEC	NOTES
33-34	0	24	Circulation
34-35	2	10	
35-36	3	14	
36-37	5	10	
37-38	7 11	19	

END RUN 8 1030

33.5	0	14	Circ
34.5	1	16	
35.5	2	29	
36.5	4	14	
37.5	7 11	16	lost circ

63 of 60"
105% Rec

63" W.C
0" Rubble

TPGW-10

21 APR 2010

START RUN 9 1045

DEPTH	MIN	SEC	NOTES
38-39	0	55	Circ (w.c.)
39-40	3	35	lost Circulation
40-41	5	33	
41-42	8	28	
42-43	12	27	

END RUN 9 1058

38.5	0	32	
39.5	2	12	
40.5	4	34	
41.5	7	03	
42.5	10	28	

60" of 60"
100% Rec

60" W.C
0" Rubble

TPGW-10

11 APR 2010

START RUN 10 111

DEPTH	MIN	SEC	NOTES
43-44	0	14	
44-45	4	31	
45-46	7	23	
46-47	10	16	
47-48	14	26	

END RUN 10

1126

43.5	0	08
44.5	2	48
45.5	5	44
46.5	9	00
47.5	12	15

57" of 60"
95% Rec

57" W.C.
0" Rubble

TPGW-10

START RUN 11 1142

DEPTH	MIN	SEC	NOTES
48-49	2	01	
49-50	5	42	
50-51	8	37	
51-52	11	25	
52-53	14	24	

END RUN 11

1157

48.5	0	43
49.5	3	39
50.5	7	01
51.5	10	03
52.5	12	41

63" of 60"
105% Rec

63" W.C.
0" Rubble

TPCW-10

START RUN 12 1257			
DEPTH	MIN	SEC	NOTES
53-54	1	15	
54-55	4	01	
55-56	6	07	
56-57	8	46	
57-58	17	01	Void last foot.
END RUN 12 1314			
53.5	1	09	
54.5	2	32	
55.5	5	19	
56.5	7	41	
57.5	15	37	Add mud.

$\frac{55''}{92}$ of 60''
 % Rec

$\frac{55''}{0''}$ W.C.
 Rubble

TPCW-10

START RUN 13 1328			
DEPTH	MIN	SEC	NOTES
58-59	0	53	
59-60	1	47	
60-61	2	54	VOID
61-62	4	12	
62-63	7	03	
END RUN 13 1335			
58.5	0	33	
59.5	1	08	
60.5	2	43	VOID
61.5	3	01	
62.5	5	11	

$\frac{54''}{90\%}$ of 60''
 % Rec

$\frac{45''}{91''}$ W.C.
 Rubble

11 APR 2010 cont'd

0850 Arrive at TPGW-10

0941 Ready to core.

1227 Break for lunch, At 53'

1257 Done with lunch

Begin run #14 1354

63-64 1m 13s

64-65 6m 32s

66-67 8m 48s

67-68 10m 54s

68-69 14m 53s

End run #14 1409

63.5 63.5 0:29

64.5 64.5 3:14

65.5 65.5 8:18

66.5 66.5 9:18

67.5 67.5 12:37

54" of 60" = 90%

49" WC

5" R4B

11 APR 2010 cont'd

1424 Begin core run #15

68-69 68.5 2m 10s 24" of 60"

69-70 69.5 3m 10s Void = 40%

70-71 70.5 3m 38s Void 15" WC

71-72 71.5 3m 56s 9" R4B

72-73 72.5 4m 17s Void

1428 End core run

68.5 68.5 0:10

69.5 69.5 3:06 Void

70.5 70.5 3:22

71.5 71.5 3:42s

72.5 72.5 3:58

1449 Begin core run #16

73-74 73.5 0m 58s 51" of 60"

74-75 74.5 2m 58s = 85%

75-76 75.5 3m 34s 36" WC

76-77 76.5 5m 38s 15" R4B

77-78 77.5 7m 45s

1457 End core run

73.5 0:30

74.5 1:41

75.5 3:18 Void

76.5 5:00

77.5 6:18

11 APR 2010 cont'd

1521 Begin core run #17

Run #17	78-79	2m 48s	45' of 60"
	79-80	4m 52s	= 75' 90"
	80-81	6m 29s	45' WC
	81-82	8m 21s	0' 12m 13s
	82-83	8m 40s	↓ VOID

1521 End core run

78.5	0:35	
79.5	3:52	
80.5	5:43	
81.5	7:05	
82.5	8:25	VOID

1533 Quit for the day.

4/12/10 TPGW-10 CORAL

08:45 - E RIG.

B.V. FIXING RIG THROAT

OUTSIDE TDRY = 0.04m, 0.61m

INSIDE TURBIDITY = 1.58m, 0.64m

- WAITING OUT TOWN

13:15 - STILL WAITING FOR BV TO COMPLETE
REPAIRS - STILL ON LAND

14:35 - BACK @ RIG.

LONG THREAD 6' (ASING TO 66')

2' 5' 14" TOMP.

11' 2" 14.48

+ 85' 6"

96' 8"

- 13.5'

83' 8"

BV. TAPPING OUT OF HOLE

4/12/10 TPGW-10 Core CR

14:48	Run # 18	
DEPTH	MIN : SEC	NOTES
83-84	01 : 01	60 " of 60"
84-85	04 : 54	100 % Recovery
85-86	02 : 23	
86-87	02 : 38	WC = 53"
87-88	04 : 41	RUB = 7"
15:04	END CR # 18	
83.5'	00 : 34	
84.5'	03 : 43	
85.5'	01 : 05	
86.5'	01 : 25	
87.5'	01 : 12	

~ 84'3" Firmest

88' 02:54 ET

15:04 TD CR # 18 @ ~ 88'4" BLS.

15:21	START CR # 19	
DEPTH	MIN : SEC	NOTES
88-89	02 : 13	
89-90	01 : 39	60 " of 60"
90-91	01 : 13	100 % Recovery
91-92	03 : 41	
92-93	03 : 22	WC = 52"
15:33	END CR # 19	
88.5'	01 : 39	
89.5'	00 : 19	
90.5'	00 : 23	
91.5'	01 : 48	
92.5'	02 : 04	

TD CR # 19 @ ~ 92'11" BLS.

- Grey Sand in core.

4/12/10 TP6W-10 CORNER

15:49 START CR #20

DEPTH	MIN: SEC	NOTES
93-94	01:33	
94-95	06:01	51 "OF 60"
95-96	02:45	85 % RECOVERY
96-97	01:16	
97-98	02:12	W.C. = 43 "
16:03 (NO CR #20)		RUB = 8 "
93.5'	00:34	
94.5'	02:36	
95.5'	01:23	
96.5'	00:57	
97.5'	+	

~ 94' 4" FIRMER.

~ 96' 7" - DROP TO 97' 8" then firmer.

16:01 - MY TIGER MUD

TD CR #20 @ ~ 97' 11" BLS.

16:20 START CORE RUN #21

DEPTH	MIN: SEC	NOTES
98-99	01:59	
99-100	00:51	62 "OF 60"
100-101	01:03	103 % RECOVERY
101-102	04:54	
102-103	01:50	W.C. = 62
16:31 (NO CR #21)		RUB = 0
98.5'	01:02	
99.5'	00:38	
100.5'	00:17	
101.5'	01:41	
102.5'	01:24	

~ 99' 4" - DROP

~ 100' 8" - V. H. FIRM

~ 101' 2" - Slow pen

~ 102' 5" - DROP TO TD

16:31 - TD CR #21 @ ~ 102' 11" BLS.

4/12/10 TPGW-10, Core #22

16:51 START RUN #22

DEPTH	MIN: SEC	NOTES
103-104	1 : 19	
104-105	00 : 56	58 "of 60"
105-106	02 : 08	97 % RECOVERY
106-107	02 : 29	
107-108	01 : 42	WE = 54
17:00	END CR #22	RUB 4
103.5	00 : 41	
104.5	00 : 10	
105.5	00 : 50	
106.5	01 : 00	
107.5	00 : 57	

^ 104' 10" DEOS

16:53 VHS T.M

^ 104' - 10' FIRMER

^ 107' 4" - SLIGHTLY BETTER FOR.

17:00 TD CR #22 @ ~ 107' 11" BLS.

17:16 START CR #23

DEPTH	MIN: SEC	NOTES
108-109	01 : 56	56 "of 60"
109-110	01 : 00	93 % RECOVERY
110-111	01 : 02	
111-112	01 : 10	WE = 45
112-113	02 : 07	RUBS = 11
17:23	END CR #23	
108.5	01 : 02	
109.5	00 : 43	
110.5	00 : 35	
111.5	00 : 22	
112.5	00 : 41	

~ 109' 7" DEOS

~ 110' 4" - SLIGHTLY BETTER FOR.

~ 112' 5" - FIRMER

TD CR #23 @ ~ 112' 11" BLS.

4/12/10 TPGW-10 CORING

17:46 START CORE RUN #24

DEPTH	MIN	SEC	NOTES
113-114	01	40	
114-115	00	16	23 "of 60"
115-116	00	50	38 % RECOVERY
116-117	00	17	
117-118	00	16	WC = 16

17:49.45 END CR#24 RUB = 7

113.5'	01	21
114.5'		
115.5'	00	32
116.5'	00	06
117.5'	00	09

17:48 113'10" - DROF
MIX TR

17:49.45 TO CR#24 @ 117'11" BLS

18:05 - MIXING TIGER MUD

18:08 START CORE RUN #25

DEPTH	MIN	SEC	NOTES
118-119	00	30	
119-120	01	10	38 "of 60"
120-121	01	11	63 % RECOVERY
121-122	00	57	
122-123	00	59	U.C = 35'

18:13 END CR#25 RUB = 3'

118.5'	00	12
119.5'	00	22
120.5'	00	41
121.5'	00	48
122.5'	00	25

18:13 - TO CR#25 @ 122'11" BLS
- PACK UP

137.9 - TAG

3.15 MP

134.75'

- 11

123.75' BLS

TBIDY INSIDE = 1.74h

TBIDY OUTSIDE = X uh

19:00 - on land

07:35-ELUB.

62

4/13/10 TPGW-10 CORE

DEPTH	MIN	SEC	NOTES
12:27	START CORE RUN #26		
123-124	00	25	
124-125	00	14	0 "OF 60"
125-126	00	13	0 % RECOVERY
126-127	00	12	
127-128	00	12	WE = 0 "
12:28.24	END C.R. #26		RUB = 0 "
123.5'			SAND = 0 "
124.5'			
125.5'	00	05	
126.5'	00	06	
127.5'	00	05	

- Get Jeff: Bibbs squawking w/ mw. Iss.

@ TPGW-13.

→ WQ IN B. Bay.

10:30 - OUTSIDE TIDY: 0.78 nhr, 1.4 nhr, ph=8.43

10:39 INSIDE TIDY: 0.69 nhr, ph=8.43

11:45- 12:15 LUNCH-

12:23- START- STOP- RIG IS LEAKING ANTIFRET

12:28- TD CR#26 @ ~128' BLS

- SOFT THE WHOLE WAY

- NO RECOVERY SAND?

63

DEPTH	MIN: SEC	NOTES
12:46	START CORE RUN #27	
128-129	00:13	0 "OF 60"
129-130	00:10	0 % RECOVERY
130-131	00:12	
131-132	00:13	WE = 0 "
132-133	00:11	RUB = 0 "
12:47	END CR#27	
128.5'	00:07	SAND = 0
129.5'	00:04	
130.5'	00:03	
131.5'	00:05	
132.5'	00:06	

AGE ~144' BWP

HP ~ 3' A FLOOR

FLOOR ~ 11' A B.B. FLOOR

AGE ~ 130' BLS.

12:45- MIXING TIGER MUD.

12:47- TD CR#27 @ ~133' BLS.

64 4/13/10 TPGW-10 CORING

13:00:47 START CORE RUN #28

DEPTH	MIN : SEC	NOTES
133-134	00 : 14	63 " of 60"
134-135	00 : 10	105 % RECOVERY
135-136	00 : 10	
136-137	00 : 13	W.C. = 0 "
137-138	01 : 27	RUBS = 0 "
13:03	END OF #28	SAND 63"
133.5'	00 : 05	
134.5'	00 : 04	
135.5'	00 : 06	
136.5'	+	
137.5'	+	

- MIXING TIG 200 MUD

137'5" - Firmer.

13:03 - TD @ 137'2" BLS ET = 01m 27sec.

65

13:18 START CORE RUN #29

DEPTH	MIN : SEC	NOTES
138-139	00 : 20	66 " of 60"
139-140	00 : 09	110 % RECOVERY
140-141	00 : 09	
141-142	00 : 10	W.C. = 0 "
142-143	00 : 31	RUBS = 0 "
	END OF #29	SAND = 66"
138.5'	00 : 14	
139.5'	-	
140.5'	00 : 04	
141.5'	-	
142.5'	00 : 09	

13:20 TD CR #29 @ 142'8" BLS

158.2 BMP

MP = 3.9 A RIG FLOOR

26.1' A SEA FLOOR

TD = 144.3' BLS

15:00 TRIPPED OUT

- TRIPPED OUT 15' CABLE