

07:30 - E LUB.

2 5/7/10 TDGW-11 SURFACE CASING

13:57 - PUTTING C.B. ^{moon} in Hole.

CORE BARREL = 11.2'

RIG FLOOR TO MP = 2.15'

TOP OF C.B. TO MP = 1.95'

MP ABOVE SEA FLOOR = 13.15'

START w/ C.B. 5' piece ~ 16' TOTAL

14:42 RUN #1 = 0' TO 3'

DEPTH	MIN	SEC	NOTES
0-1	00	33	28" of 36'
1-2	00	26	78% REC
2-3	00	41	W.C. 21"
			RUB = 7

14:46 END CR #1

0.5'	00	24
1.5'	00	09
2.5'	00	12
3.5'	00	44

14:30 B.V. HAVING DIFFICULTY STARTING C.B. STRAIGHT.

- SLOW ROTATION

TD CR #1 @ ~ 3' 7" BLS.

15:00 START RUN #2

DEPTH	MIN:SEC	← NOTES →
3-4	00:59	50" OF 60' 83% REC W.C. = 41" RUB = 9"
4-5	00:55	
5-6	01:19	
6-7	02:29	
7-8	04:16	→ HATCHER @ ~ 6' 10" BLS
15:11	END CR #2	
3.5'	-	
4.5'	00:27	
5.5'	00:32	
6.5'	00:37	
7.5'	02:02	8.5' @ 4:42 ET

NOTE: CB LOOK UN-LEVEL / ASKEW WHILE DRILLING

- TD CR #2 @ ~ 8' 10" BLS ET WAS 04:47
- DROPPED @ ~ 8' 5" BLS

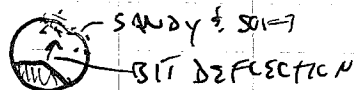
5/7/10 TPGW-11, COIZING: SURFACE CASING

DEPTH	MIN : SEC	NOTES
6-9	00 : 15	18" OF 60
9-10	00 : 56	70 ZEL
10-11	00 : 32	WC=0"
11-12	02 : 46	DRB=18"
12-13	11 : 53	→ ~11' 10" - WED ~1" THEN
15:47	END CR. #3	BREAK THROUGH
8.5	—	~12' 4" - FIRMER AGAIN
9.5	00 : 20	
10.5	00 : 19	
11.5	00 : 37	
12.5	02 : 58	
13.5	07 : 23	

→ TD CR #3 @ 13.5' BLS.

- B.V. going in w/ REAMER BIT
- HAVING PROBLEMS w/ A ROCK LEDGE

ON THE SW SIDE OF THE BOREHOLE @ SEA FLOOR.



BRICK
DR. US!
CAREFUL
HARD

→ COLLECT
TWO SAMPLES
FROM HENRY

* PLAN TO FINISH ON MONDAY
18:10- LEAVING SITE. 18:30 P. DR. V

17:40- B.V. TRYING
w/ 6" CORE CASING

- WORKING

2 CAMERAS DOWN TO
8' BLS.

- 6" CORE CASING
IS STRAIGHT

REMOVED

08:10 @ GATE

5/10/10 TPGW-11 SURFACE CASING

09:30 @ SITE

BACKGROUND TURBIDITY: 0.77 NTU

10:03 HR, B.V. DRILLING OUT 6" CORE CASING

10:10 SC IN BAY = 54430 us/cm (@ SURFACE)

10:15 SC IN BAY = 54480 us/cm (@ SEA FLOOR)

10:20 - B.V. REMOVING 4" TRI-CONE BIT & 6" CORE CASING

TRIPPING IN 8" TRI-CONE BIT

10:31 - REAMING w/ 8" TRI-CONE

- B.V. HAVING TROUBLE w/ BIT KICKING OFF

11:17 - TRIPPING IN 10" TRI-CONE.

B.V. REAMING w/ 10" BIT.

• HOLD HAS ~3.5' OF FILL IN BOTTOM THAT
WILL GET CLEAN OUT.

11:50 - TRIPPING IN 8" SURF. SO SURFACE CASING.

SURFACE CASING TALLY

4 x 4.63' = 18.52'

1 x 3.28' = 3.28'

21.80' TOTAL CASING

SEA FLOOR TEMP = 13.15'

S.E. BELOW SEA FLOOR = 8.65'

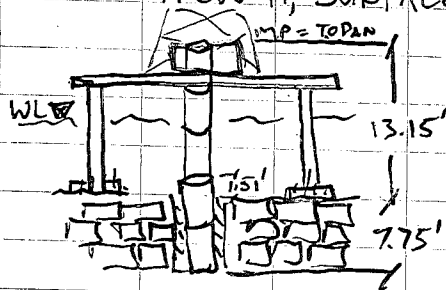
• WASHING DOWN SURFACE CASING! USING

SPT HAMMER, CASING STOPPED 0.9' SHORT
OF TD.

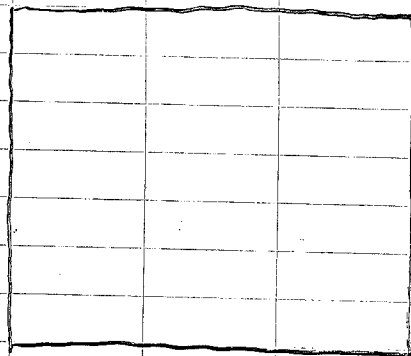
13:10 - MIXING GRANT 40 gal w/ 3 bags.

6 3/10/10

TPGW-11, SURFACE CASING



SITE LOCATION MAP



LAT 25° 23.823' N
LONG 080° 18.247' W
WPT #076

07:45 E LUB

5/11/10

09:03 - @ SITE

B.V. INSTALLING 6" STEEL CASING TO 25'
BMP (TOP OF PAN) = 12' BLS.

10:12 - 6" STEEL LINEPIPE CASING INSTALLED.

10:49 START CORZ RUN #4

DEPTH	MIN : SEC	NOTES
13-14	03:27	62" OF 60" 103% REC WC = 62" RUBS = 0"
14-15	03:16	
15-16	04:03	
16-17	01:56	
17-18	03:11	
11:05	END CR #4	
13.5'	00:57	11:05 TDCR #4 @ ~18' 3" BLS.
14.5'	01:55	
15.5'	02:34	
16.5'	01:12	
17.5'	00:42	

NOTE ~14' 3" to ~14' 8" - RIP UP CASING

~14' 8" - ~17' 4" - Brownish, sandy mudstone

~17' 4" to 18' TRANSITION TO WHITE LS, HIGHLY SOLUBLE

8 5/11/10

11:17 START CR #5			
DEPTH	MIN	SEC	NOTES
18-19	01	05	58 "cf 60" 97% REC, WC = 55 RUB = 3
19-20	01	43	
20-21	02	22	
21-22	02	29	
22-23	00	56	

11:29 END CR #5			
18.5'			
19.5'	01	01	
20.5'	01	05	
21.5'	01	42	
22.5'	00	49	~22' 7" DROP TO TD

TD CR #5 @ ~23' 4" BLS;

11:41 START RUN #6

DEPTH	MIN: SEC	NOTES	
23-24	00:30	- LOST CIRCUIT	37 "cf 60"
24-25	02:09	24' 10" - Firmer, primary	62% REC
25-26	03:44	stand	WC = 29
26-27	02:14	~ DREGAIN WORK	RUB = 3
27-28	01:35	CIRCULATION	

11:51 END CR #6			
23.5'	00:21		
24.5'	00:04	28' @ 01:04 2T	
25.5'	02:20	TOE ~ 28' 4" BLS.	
26.5'	00:12	- DROP 26.5' LOST CIRCUIT	
27.5'	00:35	~ 27' 4" - FIRMER	

12:07 START RUN #7

DEPTH	MIN: SEC	NOTES	
28-29	01:25	12:08 - PAUSE DRILLING	28 "cf 60"
29-30	01:01	TO MIX T. MUD.	47% REC
30-31	00:07	12:18 - RESUME CORING	WC = 28
31-32	00:10		RUB = 0.4
32-33	00:12	~ 29' 5" DROP TO TD	

12:20 END			
28.5'	00:38	TD CR #7 @ ~ 33' 4" BLS.	
29.5'	+		
30.5'	+		
31.5'	+		
32.5'	+		

05/11/10 TPEW-11 CORING

- NOTE: - PIPE WRINCH BROKE WHILE BREAKING OUT SWIVEL - PIECE OF METAL IN THE BAY.

13:29	START	RUN #8	NOTES
DEPTH	MIN	SEC	
33-34	00	19	11 "OF 60"
34-35	00	17	18 % REC
35-36	00	27	WC = 0 "
36-37	00	07	RUB = 11 "
37-38	00	12	

13:30 END

33.5 ~~33.5~~

34.5 00:12

35.5 00:06

36.5

37.5 00:03

13:25 LUNCH OVER.

- DROPPED THE WHOLE WAY
TDE ~ 38' 4" BLS.

* SAND FILLED IN CR NOT LETTING CRATCHER LOCK IN

13:55	START	RUN #9	NOTES
DEPTH	MIN	SEC	
38-39	00	12	9 "OF 60"
39-40	00	10	15 % Recovery
40-41	00	06	WC = 2 "
41-42	00	15	RUB = 7 "
42-43	00	10	SAND?

13:57 END CR#9

38.5' 00:07

39.5' -

40.5' -

41.5' -

42.5' 00:05

NOTE: WC NOT MARKED
IT WAS WEDGED
SIDEWAYS IN THE CR
M

13:53 JACKING UP BARGE TO THREAD IN SWIVEL

TD CR#9 @ ~ 43' 4" BLS.

- CORING STRUNG WILL NOT SETTLE BACK TO DRILLED DEPTH

- B.V. DRILLED BACK DOWN: MIXED UP T. MUD

14:23 - MIXING UP FRESH BATCH OF T. MUD

5/11/10 TPGW-1 CORING

14:28 START RUN #10		
DEPTH	MIN : SEC	NOTES
43.44	01 : 05	
44.45	00 : 56	23 " OF 60"
45.46	01 : 56	38 % RECOVERY
46.47	00 : 25	WC = 0"
47.48	01 : 02	RUB = 23"
14:33 END CR #10		
43.5	00 : 28	• SOME FRAGMENTED PIECES OF CORE RECOVERED, BUT THEY WERE ASKEW WHEN REMOVED FROM C.B. ↳ DID NOT MARK.
44.5	00 : 48	
45.5	00 : 47	
46.5	00 : 07	
47.5	—	

~ 45' 8" FIRMER

~ 45' 10" DROP TO ~ 48' 1" BLS

→ 48' e 00:18 ET

~ 48' 1" FIRMER

14:33h, TO e ~ 48' 3" BLS.

• NOTE: FILL IN BOREHOLE - HAD TO WORK
CORING STRING DOWN TO DEPTH.

14:51 START CORE RUN #11		
DEPTH	MIN : SEC	NOTES
48-49	00 : 34	
49-50	01 : 38	11 " OF 60"
50-51	00 : 25	18 % RECOVERY
51-52	02 : 06	WC = 0"
52-53	00 : 52	RUB = 11"
14:57 END CR #11		
48.5	00 : 11	
49.5	00 : 46	
50.5	00 : 11	
51.5	00 : 26	
52.5	—	

~ 51' 7" FIRMER, PEN. RATE SLOWED

~ 52' 5" DROP TO 53'

TO e 53' e 00:52 ET

5/11/10 TPGW-11, CORWING

HAD TO JACK UP BARGE

15:15	START CORE RUN # 12
DEPTH	MIN: SEC
53.54	01:30
54.55	02:07
55.56	02:20
56.57	01:37
57.58	06:23
15:32	END CR # 12
53.5'	00:24
54.5'	01:45
55.5'	01:22
56.5'	00:56
57.5'	01:47

~ 53' 11" - SLOW R PEN

15:21 PAUSE DRILLING @ 01:30 ET @ ~ 55' 7" BLS.

• B.V. IS LOWERING THE BARGE BACK DOWN

15:22 - RESUME CORING

@ ~ 57' 7" PEN RATE SLOWED

58' @ 04:47 ET.

TD CR # 12 @ 58' 1" BLS

15:59 - DRILLING CB BACK DOWN HOLE DID NOT
STAY OPEN past the CB @ 70' Bmp (top of DAN)

- RE-DRILLING - DRILLED 12" @ 70' BLS -

16:43	START CORE RUN # 13	
DEPTH	MIN: SEC	NOTES
58.54	06:02	
59-60	04:11	<u>33</u> "OF GO"
60-61	06:19	<u>55</u> % RECOVERY
61-62	01:40	
62-63	05:53	WC = <u>20</u> "
17:10	END C.R. #13	RUB = <u>13</u> "
58.5'	03:11	
59.5'	01:18	
60.5'	02:51	63' @ 04:22 ET
61.5'	+	TD CR #13 @ 63' 3" BLS
62.5'	00:53	

16:39 • BY MADE NEXT CONNECTION, KD = 63' BLS

16:40 - MIXING TIGER MUD.

~ 58' 11" - Pen picked up

~ 59' 8" - Pen slow - firmer

17:01 - PAUSE DRILLING @ 61' 3" BLS - MIXING T.M.

17:05 - RESUME DRILLING ~ 61' 5" - DROP TO 62' 5"

~ 62' 5" - firmer

17:35 - learn, site

07:15 @ LUB, 5/12/10

16

09:00 SITE TPG 2-11 COR WTC

9:35 START CR # 14

DEPTH	MIN: SEC	NOTES
63.64	03:22	
64.65	03:49	
65.66	04:05	
66.67	03:48	
67.68	03:07	
09:54	END CR # 14	

63.5	01:17
64.5	01:39
65.5	01:56
66.5	01:53
67.5	01:35

09:10 OUTSIDE TURBIDITY 1.17 ntu

09:12 INSIDE " 1.37 ntu

09:32 - MAKING CONNECTION, NEW END IS 68' BSF

9:35 MIXING TIGER MUD.

68' @ 02:48 ET
TD CR # 14 @ ~68' 3" BLS.

10:16 START CORE RUN # 15

DEPTH	MIN: SEC	NOTES
68-69	01:17	
69-70	01:23	
70-71	02:07	
71-72	03:12	
72-73	5:34	
73-74	2:44	
10:52	END CR # 15	

68.5 00:45
69.5 -
70.5 00:45
71.5 01:48
72.5 01:32

SANDY LS FROM
~68' - 70.5'

~73' - PAUSE CORING PULL-OUT CR SCREW

REL = 49" 24' WC, 25' RUB

RUN TAPE 72.7' BSF TAG - ~0.9' OFF-W TAG

10:52 TD @ ~73' 10" BLS

NOTE: WAS ABLE TO SCREW DOWN

SPILL PLATE ~2"-3"

18 5/12/10 TRGW-11 CORING

11:10 START CR #16

DEPTH	MIN	SEC	NOTES
74-75	01	39	19" OF 60"
75-76	00	36	32% Recovery
76-77	00	46	WC = 13"
77-78	00	12	RUB = 6"
78-79	01	46	

11:15 END CR #16

74.5'	00	20
75.5'	00	23
76.5'	00	15
77.5'	00	06
78.5'	01	10

~78'3" - FARMER

01:31 ET

11:15 TD CR #16 @ ~79'1" BLS

11:33

START CR #17

DEPTH	MIN	SEC	NOTES
79-80	00	24	27" OF 60"
80-81	02	30	45% REC
81-82	02	45	WC = 16"
82-83	07	48	RUB = 11"
83-84	07	16	

11:54 END CR #17

79.5'	00	58
80.5'	01	22
81.5'	01	19
82.5'	01	38
83.5'	03	21

• MIXED A LITTLE TIMID

~82'7" - HARDER, PEN. RATE SLOWED

03:21

TD CR #17 @ ~84'1" BLS

12:10 - lunch

20 5/12/10 TPGW-11 CORCING

12:46 START CORE RUN #18

DEPTH	MIN: SEC	NOTES
84-85	02:28	
85-86	02:29	60 "of 60"
86-87	02:46	100 % RECOVERY
87-88	04:54	
88-89	03:04	W.C. = 59 "
13:02	END CR#	RUB = 1 "
84.5'	01:20	
85.5'	01:03	
86.5'	01:02	
87.5'	02:27	
88.5'	00:58	

• TD CR#18 @ 89' BLS

• B.V. had to work on core catcher

• REPLACED w/ NEWER CORE CATCHER

FIRST 1.5' of Core (~84-85.5') WAS

BROKEN UP

From ~85.5' TO 89' was two solid pieces of core,

13:35 START CORE RUN #19

DEPTH	MIN: SEC	NOTES
89-90	03:49	
90-91	03:20	21 "of 60"
91-92	00:46	35 % RECOVERY
92-93	01:12	
93-94	05:07	W.C. = 20 "
13:50	END CR#19	RUB = 1 "
89.5'	00:49	
90.5'	01:29	
91.5'	00:31	
92.5'	00:32	
93.5'	01:14	

~89'10" - PEN RATE SLOWED

~91'2" - PEN. PICKED UP

13:43 • MIXING T.M

~93'4" - PEN RATE SLOWED

13:50 HR TD CR#19 @ ~94'1" Below Sea FLOOR (BSF)

225/12/10 TPGW-11, CORING

14:13 START CORE RUN #20		
DEPTH	MIN : SEC	NOTES
94-95	03 : 19	
95-96	03 : 39	29 "OF 60"
96-97	02 : 37	48 % RECOVERY
97-98	02 : 39	
98-99	07 : 04	WC = 14 "
14:33	END C.R. #20	RUB = 15 "
94.5'	00 : 28	
95.5'	02 : 18	
96.5'	01 : 23	
97.5'	00 : 52	
98.5'	04 : 45	

14:12 - MIXING TIGER MUD

94' 8" PICK UP BIT - PEN SLOWED

14:19 - MIXING T.MUD.

14:20 JY Called about TPGW-12

TAG ~ 95' @ TPGW-12 INSIDE 2"

@ ~ 97' 10" SLOWER PEN - FIRMER

@ ~ 98' 4" - HARDER - SLOW

14:33 TD CR #20 @ 99' BLS.

15:01 START RUN #21		
DEPTH	MIN : SEC	NOTES
99-100	02 : 34	
100-101	00 : 39	36 "OF 60"
101-102	04 : 00	60 % RECOVERY
102-103	03 : 41	
103-104	00 : 37	W.C. = 19 "
15:34	END CR #21	RUB = 17 "
99.5'	01 : 23	
100.5'	00 : 25	
101.5'	00 : 49	
102.5'	03 : 19	
103.5'	00 : 11	

MIX TM

- 101' 5" FIRMER,

15:12 - MIXING T.M.

15:14, STOP CORING @ 102' 3" BLS, ET 0244

POSSIBLY CORRECTION @ 101' 5"

15" 8" OF WC, TUB RIGID

15:32 - RESUME CORING.

TD CR #21 @ 104' 2" BLS.

5/12/10 TPGW-11, CORING

15:51 START RUN # 22

DEPTH	MIN : SEC	NOTES
104-105	01 : 38	
105-106	02 : 40	<u>42</u> "OF 60"
106-107	05 : 43	<u>70</u> % RECOVERY
107-108	00 : 27	
108-109	04 : 33	W.C. = <u>32</u> "
16:06	END CR. # 22	RUB. = <u>10</u> "
104.5'	+	
105.5'	01 : 08	
106.5'	02 : 53	
107.5'	00 : 12	
108.5'	00 : 18	

15:52 - mixing T.M.

~106' 10" = DROP

~108' 4" = FIRMED.

• 109' e → 04:17 ET

16:06 TDE ~109' 1" BLS.

16:25	START	RUN # 23
DEPTH	MIN : SEC	NOTES
109-110	00 : 38	
110-111	01 : 19	<u>30</u> "OF 60"
(111-112) 111-112	00 : 49	<u>50</u> % RECOVERY
(112-113) 112-113	00 : 10	
(113-114) 113-114	00 : 04	W.C. = <u>21</u> "
16:28	END CR # 23	RUB. = <u>9</u> "
109.5'	00 : 28	
110.5'	00 : 18	
111.5'	+	
112.5'	00 : 07	
113.5'	+	

~111' 3" - DROP TO TD.

16:28 TDE ~114' 2" BLS.

• mixing T.M.

• B.V., refueling rig; done for day

17:10 - LEAVE SITE

17:30 - DROP OFF CORRES & LUBIDS.

07:45 @ LUTS

26

5/13/10 TPGW-11 CORING

08:45 @ DEWLSITT

MIX R.M.

DEPTH	MIN	SEC	NOTES
114-115	00	51	
115-116	02	32	12 " OF 60"
116-117	00	17	20 % RECOVERY
117-118	00	21	
118-119	00	15	WC = 0 "
8:54	END CR #24		RUBS = 11 "
114.5	00	15	SAND = 1 "
115.5	00	46	
116.5	00	07	- SANDY rubble
117.5	00	10	~ 1 inch of sand (silt)
118.5	00	07	@ Bottom of core run

~ 114'10" FIREWIRE

~ 115'9" DROP TO TD.

TD CR #24 @ ~ 119'1" DLS.

09:05 OUTSIDE TBIDY = 13.04 m

INSIDE TBIDY = 1.44 m

9:19 - MIXING T.M.

DEPTH	MIN: SEC	NOTES
09:20	START CR #25	
119-120	00: 14	
120-121	00: 15	60 " OF 60"
121-122	00: 19	100 % RECOVERY
122-123	00: 07	
123-124	00: 12	W.P. = 28 "
09:21	END CR #25	RUBS = 1 "
119.5	+	SAND = 31 "
120.5	+	
121.5	00: 07	
122.5	+	
123.5	+	

- DROPPED THE WHOLE RUN.

09:21 TD CR #25 @ ~ 124'2" DLS

5/13/12 TPGW-11 CORING

• MIXED T-MMD

9:39 START CORE RUN #26		
DEPTH	MIN : SEC	NOTES
124-125	00 : 41	
125-126	00 : 59	59 "OF 60"
126-127	00 : 29	98 % RECOVERY
127-128	00 : 27	
128-129	00 : 36	WC = 29"
09:42	END CR #26	RUB = 0"
124.5'	00 : 12	SAND 30"
125.5'	00 : 42	
126.5'	00 : 18	
127.5'	00 : 17	
128.5'	00 : 14	

09:42 TD CR #26 @ 129' 2" BLS

• MIXED T-MMD

10:02 START CORE RUN #27		
DEPTH	MIN : SEC	NOTES
129-130	00 : 15	
130-131	00 : 37	58" OF 60"
131-132	00 : 11	97% RECOVERY
132-133	00 : 13	WC = 30"
133-134	00 : 15	RUB = 0"
10:03	END CR #27	SAND = 28"
129.5	00 : 09	
130.5	00 : 04	
131.5	00 : 05	
132.5	00 : 07	
133.5	00 : 07	

• GREENWICH Way Sand @ 133' BLS.

10:03 TD CR #27 @ 134' 1" BLS

5/13/10 TPGW-11 CORING

MIXED TIGER MUD

10:23 START CORE RUN # 28

DEPTH	MIN: SEC	NOTES
134-135	00:14	60" OF 60" 100% RECOVERY SAND = 60"
135-136	00:06	
136-137	00:08	
137-138	00:12	
138-139	00:14	
10:24	END CR# 28	
134.5	—	
135.5	—	
136.5	—	
137.5	00:04	
138.5	00:07	

10:24 TD CR# 28 e ~ 139' 1" SL

• MIXED TIGER MUD

10:52 START CR# 29

DEPTH	MIN: SEC	NOTES
139-140	00:13	62" OF 60" 103% RECOVERY SAND = 62"
140-141	00:08	
141-142	00:10	
142-143	00:11	
143-144	00:11	
10:53	END CR# 29	
139.5	00:07	
140.5	00:03	
141.5	00:04	
142.5	00:05	
143.5	00:05	

TD CR# 29 e ~ 144' 1" SL

5/13/10 TPGW-11, CORPINS

11:19 START CORE RUN #30		
DEPTH	MIN : SEC	NOTES
144-145	00 : 14	
145-146	00 : 09	57" of 60"
146-147	00 : 08	95% Z. recovery.
147-148	00 : 12	57" of sand.
148-149	00 : 11	
11:20 END COR. #30		
144.5	00 : 08	
145.5	00 : 04	
146.5	00 : 03	
147.5	00 : 06	
148.5	00 : 05	

11:20 - TO COR# 30 @ ~144'2" GCS

T.D. BORTCHAS

• TAG BOTTOM ~160.1' BTD 5" CASSIN
TOP OF 5" CASSIN IS 1' ABOVE MP (MUD MUD)
TAG @ 159' BMP OR 146' ASSR.
-11:20 BORTCHAS