

3/31/10 TPGW-7

• WILD LIFE REQUIREMENTS

↳ IN ARMY CORE PERMITS.

↳ FPIL HAS PPT. presentation that will be emailed.

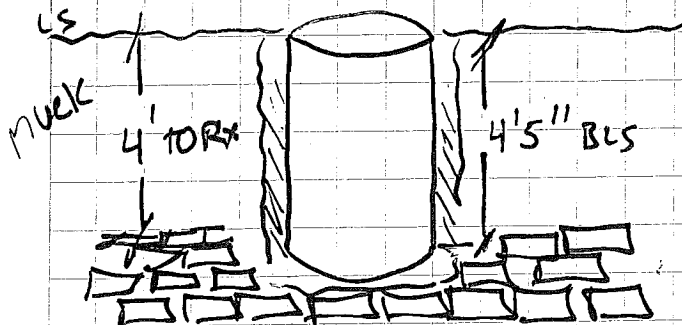
- MANATEES, SEA TURTLES;

SMALL DOCKED SAWFISH

10:05 - MEETING OVER

11:00 - BACK TO TPGW-7

- B.V. ground surface casing



- 10" SCH 40 PVC SURFACE CASING TO

4'5" BLS (1 Bag cement?)

- RXP ~ 4'

3/31/10 TPGW-7 CORUSG

15:40 - B.V. almost ready w/ RIG

16:34 - RIG OVER THE HOLE
B.V. rigging up the reel barrel

16:57 C.B. in hole

17:00 - START CIRCULATING
RETURN TO DEPT
- START @ 4'3" BLS.

17:01 START CORE RUN #1

DEPTH	MIN: SEC	NOTES:
4-5	00:18	65" OF 60"
5-6	00:32	108% RECOVERY
6-7	00:23	
7-8	00:30	WC: 58"
8-9	00:24	RUB: 7"

17:04 END CR #1

4.5' BLS	+	
5.5' BLS	00:13	~7'3" FIRM 1P-bms
6.5' BLS	00:09	
7.5' BLS	+	
8.5' BLS	00:12	

00:38 SEC @ 9.5' BLS

17:04 TD @ 9.5' BLS - SOFT TNE WHOLE WAY

3/31/10 CORING, TP6W-7

16:28 START CORE RUN #2		
DEPTH	MIN : SEC	NOTES:
9-10	00 : 31	
10-11	00 : 38	55 55 "W.B.F 60"
11-12	07 : 39	92 % Recovery
12-13	01 : 35	
13-14	03 : 38	WE = 48 " 48"
17:37	END CR #2	RUB " 7"
9.5	00 : 18	~9'-11' - HIGHLY SOLID LS
10.5	00 : 16	~11' - 14' - LS IS MORE DENSE
11.5	01 : 08	LESS 2nd - any porosity
12.5	01 : 14	
13.5	00 : 34	

FIRMER @ ~11' 2" BLS.

@ ~12' 7" - PEN TEST PICKED UP

@ ~13' 11" FIRMER

17:37 TD CR #2 @ ~14' 3" BLS (ET. 4m 12 sec)
 @ ~11' BLS - LS HAS LESS DIS. POROSITY
 & FIRM STANDING

17:54 START CR #3		
DEPTH	MIN : SEC	NOTES
14-15	00 : 57	
15-16	00 : 52	○ "OF 60"
16-17	00 : 22	○ % RECOVER
17-18	00 : 19	WE = 0"
18-19	00 : 18	RUB = 0"
17:57	END CR #3	
14.5	00 : 43	- no recovery - v. fast pen
15.5	00 : 14	
16.5	00 : 12	
17.5	00 : 09	
18.5	00 : 07	

17:57 TD CR #3 @ ~19' 3" BLS

- VERY FAST PENETRATION

SAND OR VOID? - NO RECOVERY

NOTE:

14-19' NO REC.

19-24' MINOR RUBBLE & BUI

3/31/10 TPGW-7 CORING.

DEPTH	MIN	SEC	NOTES
18:19	CR #4 - START		
19-20	00	17	
20-21	00	17	7" OF 60"
21-22	00	53	12 20 Rev.
22-23	01	16	RUB = 7"
23-24	01	34	WC = 0"
18:28	END CR #4		
19.5	00	09	
20.5	00	06	
21.5	00	14	
22.5	00	49	
23.5	00	41	

- @ 21' - STOP DRILLING
 - MIXING TIGER MUD

18:24-

21'10" FIRMER - PSN SLOWED
 23' BLS - Rotation stopping?

18:28 TD CR #4 @ 24'1" (IT = 2W, 23 sec)

18:45 - OUT.

4/1/10 TPGW-7 CORING

08:50 - JF on site

- GETTING SETUP (Sunrise Drilling)

08:50 - B.V. on site

- B.V. SETTING UP

9:09 - Collect Sample From PW

T = 23.2°C, SC = 56.8 us/cm

19:19 START CORE RUN #5

DEPTH	MIN	SEC	NOTES
24-25	01	39	
25-26	01	36	65' OF 60'
26-27	02	22	
27-28	02	21	108 % RECOVERY
28-29	07	26	
9:38	END CR #5		WC = 56"
24.5'	+		
25.5'	01	03	RUB = 9"
26.5'	00	43	
27.5'	00	41	
28.5'	05	36	

e ~ 25' 7" - Pen picked up a little

9:23 - Rotation stopped @ ~ 26' 10" BLS. (FIRM)

9:26 - Rotation PTO is loose

26' 11" DROP FOR A FEW IN. THEN

STEADY GOOD PSN.

@ 27' 8" - SLOWER PSN.

4/1/10 TP6W.7 CORING
09:38 TD CR#5 @ ~29' 3" BLS.

10:00 START CORE RUN #6

DEPTH	MIN : SEC	NOTES
29-30	01 : 37	
30-31		42 " OF 60"
31-32	03 : 35	
32-33	00 : 49	70 % RECOVERY
33-34	00 : 24	
10:07	END CR. #6	WC = 34 "
29.5'	00 : 28	
30.5'	00 : 56	RUB = 8 "
30.75'		
31.3'	03 : 05	
32.5'	00 : 15	
33.5'	00 : 05	

- 30' 7" - DREG.

10:06 - MIX TIGER MUD

10:07 TD CR#6 @ 34' BLS.

1

- STARTER ~ 35' 10" - FIRM
- MIX TIGER MUD

10:24 START CORE RUN #7

DEPTH	MIN : SEC	NOTES
34-35	05 : 57	
35-36	02 : 17	70 " OF 60"
36-37	03 : 27	
37-38	03 : 22	117 % RECOVERY
38-39	03 : 49	
10:44	END CR #7	WC = 63 "
34.5'	04 : 15	
35.5'	00 : 58	RUB = 2 "
36.5'	01 : 45	
37.5'	01 : 50	SAND = 5 "
38.5'	01 : 19	

~ 35' 5" BLS - Punched/jerky rotation -
BETTER PEN. THAN BEFORE
BUT NOT FAST

~ 37' 5" - DRILLING A LITTLE SMOOTHER

10:44h. TD CR#7 @ ~39' 2" BLS.

- 33" SOLID SECTION OF CORE
- HAD TO BREAK

4/1/10 TPGW-7 CORING

11:02 START CORE RUN #8		
DEPTH	MIN:SEC	NOTES
39-40	01:19	
40-41	00:29	22 " OF 60 "
41-42	00:17	
42-43	00:33	37 % RECOVERY
43-44	03:46 ^{11:09}	
11:17 END C.R. #8		
39.5'	00:2	WC = 17 "
40.5'	00:10	RUB = 5 "
41.5'	00:12	
42.5'	00:10	
43.5'	00:26	

→ 43.5' BLS - FIRMER.

11:17 TD CR #8 @ ~44' 5" BLS

WDET FOR 43' TO 44' 5" IS 11:34

MUCH SLOWER FROM ~44' BLS.

- MIX TIGER MUD

11:33 START CORE RUN #9		
DEPTH	MIN:SEC	NOTES
44-45	01:23	
45-46	01:25	70 " OF 72 "
46-47	03:17	
47-48	01:38	97 % RECOVERY
48-49	01:56	
49-50	00:51	W.C. = 61 "
11:45 END C.R. #9		
44.5'	00:14	RUB = 9 "
45.5'	00:46	
46.5'	01:46	
47.5'	00:31	
48.5'	01:27	
49.5'	00:28	

11:44 MIXING TIGER MUD

- DROP @ ~49' 8"

11:45 TD CR #9 @ 50' BLS.

- MAKE NEXT CONNECTION

12:00 - Lunch

12:45 - BACK

4/1/10 TPGW-7 CORING

12:45 START CORE RUN #10		
DEPTH	MIN: SEC	NOTES
50-51	01:08	51 "of 60"
51-52	05:20	
52-53	14:34	
53-54	01:01	85 % RECOVERY
54-55	06:29	
13:17	END CR #10	WE 37 "
50.5	00:32	RUB 10 "
51.5	00:51	STAND 4 "
52.5'	13:01	
53.5'	00:45	
54.5'	00:22	

- ~51' 10" - FIRMER. - PEN SLOWED
 - 52' 5" - Pen ~~pen~~ stopped, v. slow.
→ Driller picking up bit
 - 52' 6" - PEN RATE PICKING UP - THEN DROP
 - 54' 6" - LITTLE FIRMER
→ POSSIBLE FLAW ZONE?
 - 54' 9" - PICK UP BIT - V. SLOW PEN. ~ 1" TIME BACK
- 13:17 TD CR #10 @ 55' BLS.

13:33 START CR #11		
DEPTH	MIN: SEC	NOTES
55-56	04:22	62 "of 60"
56-57	03:48	
57-58	01:38	103 % RECOVERY
58-59	02:59	
59-60	03:23	
13:49	END CR #11	W.C. = 61 61 "
55.5'	01:52	RUB: 1 "
56.5'	01:36	
57.5'	—	
58.5'	01:32	
59.5'	02:16	

13:49. TD CR #11 @ 60' BLS.

4/1/10

TPGW-7 CORING

14:04 START C.R. #12		
DEPTH	MIN : SEC	NOTES
60-61	02 : 13	<u>44</u> "OF 60"
61-62	00 : 23	
62-63	02 : 41	<u>73</u> % RECOVERY
63-64	02 : 24	
64-65	06 : 24	WC = <u>32</u> "
14:19	END C.R. #12	RUB = <u>12</u> "
60.5'	01 : 32	
61.5'	00 : 08	
62.5'	01 : 02	Rubble is sandy
63.5'	00 : 57	- white calc. sand.
64.5'	01 : 03	

~ 61'-62'4". DROP-VOID AREA

~ 62'5". FIRMER

14:04 - MIXING TIGER MUD

~ 64'8". FIRMER.

14:19 - TD CR #12 @ ~ 64'11" BLS

- MIXING TIGER MUD

14:37 START CR #13		
DEPTH	MIN : SEC	NOTES
65-66	02 : 19	<u>57</u> "OF 60"
66-67	00 : 57	
67-68	05 : 05	<u>95</u> % RECOVERY
68-69	02 : 15	
69-70	03 : 12	W.C. = <u>54</u> "
14:51	END C.R. #13	RUB = <u>3</u> "
65.5'	01 : 05	
66.5'	00 : 53	
67.5'	00 : 35	
68.5'	01 : 02	
69.5'	01 : 19	

~ 66'8" - DROP TO 67'3"

~ 67'10". FIRMER, SLOW PEN

- 67'11". PICKUP BIT - PEN RATE 0.5 IN/REV

14:52 TD CR #13 @ 70' BLS

4/1/10 TPGW-7 CORING

-MIXING T.M.

15:11	START CORE RUN #14	
DEPTH	MIN: SEC	NOTES
70-71	02:01	54 "of 60"
71-72	01:37	
72-73	01:41	
73-74	13:21	
74-75	01:34	90% RECOVERY
15:31	END C.R. #14	
70.5'	00:50	W.C. 39 "
71.5'	00:46	RUB: 15 "
72.5'	00:38	
73.5'	06:58	
74.5'	00:45	

~ 73' 8" PEN FANT PICKED UP
 ~ 74' DROP -

15:31 - TO CR#14 @ 75' BLS.

15:35 - B.V. IS TRYING TO FIX WRENCH.

15:39 - C.B. OUT OF HOLE.

MIXING T.M.

15:54	START CORE RUN #15	
DEPTH	MIN: SEC	NOTES
75-76	00:46	33 "of 60"
76-77	00:08	
77-78	00:58	
78-79	01:17	
79-80	03:51	55% RECOVERY
16:01	END CR#15	
75.5'	00:35	W.C. 17 "
76.5'	+	RUB: 16 "
77.5'	+	
78.5'	00:10	
79.5'	02:11	

DROP @ 75' 8" TO 77' 9"

FIRM @ 78' 10"

16:01 TO CR#15 @ 80' BLS.

4/1/10 TPGW-7 CORING

- MIXING T.M.

START CORE RUN #16

DEPTH	MIN: SEC	NOTES
80-81	01 : 30	
81-82	08 : 14	27 "OF 60"
82-83	16 : 05	
83-84	01 : 47	45 % RECOVERY
84-85	00 : 46	
16:50	END CR #16	WC = 23 "
80.5'	00 : 41	RUB = 4 "
81.5'	00 : 52	
82.5'	10 : 51	
83.5'	01 : 14	
84.5'	00 : 27	

~ 81'7" - SLOW - DRILLER PICKING UP BIT.

16:38 - MIXING MORE TIGER MUD.

~ 82'4" - HARD DRILLER PICKING

UP BIT (ET 10m)

~ 82'10" - PM mk pick up

16:50 TD CR #16 @ 85' BLS.

311. Checking to see if H.C.B. lock in
- NOTE HARD TAG @ 89.5' BLS

17:12 START C.R. #17

DEPTH	MIN: SEC	NOTES
85-86	01 : 44	22 "OF 60"
86-87	01 : 49	37 % RECOVERY
87-88	17 : 02	
88-89	06 : 36	WC = 9 "
89-90	05 : 51	RUB = 13 "
17:47	END C.R. #17	
85.5'	00 : 45	
86.5'	01 : 40	
87.5'	04 : 08	
88.5'	03 : 12	
89.5'	04 : 19	

~ 86'3" - FIRM - PEN SLOWED

~ 87'5" - SITTING IN SAME SPOT

NOTE - BIT IS OCCASIONALLY DUMPING INTO THE PAN.

17:47 TD CR #17 @ 90' BLS.

16:15 - ANT

18:40 - BACK TO HOTEL

4/2/10 TPGW-7 CORING

07:50- JF on site.

08:25- BV on site. -rinsing cores.

- MIXING T.M.

8:48	START CORE RUN #18	
DEPTH	MIN: SEC	NOTES
90-91	01 : 23	
91-92	05 : 53	31 " of 60"
92-93	00 : 35	52 % RECOVERY
93-94	00 : 28	
94-95	00 : 42	W.C. = 14 "
8:57	END CR #18	RUB. = 13 "
90.5'	00 : 24	SAND = 4 "
91.5'	02 : 08	
92.5'	00 : 29	
93.5'	00 : 06	
94.5'	00 : 17	

~ 91'4" - pen picked up

~ 91'9" - pen slowed down a little

- INC. ROTATION SLOWED ~ 91'10"

- MIXING T.M.

8:57 TO CR #18 @ 93' BLS.

- MIX T.M.

9:14	START C.R. #19	
DEPTH	MIN: SEC	NOTES
95-96	00 : 59	50 " OF 60"
96-97	00 : 59	83 % RECOVERY
97-98	01 : 18	
98-99	01 : 04	W.C. = 11 "
99-100	00 : 53	RUB. = 1 "
09:19	END C.R. #19	SAND = 28 "
95.5'	00 : 30	
96.5'	00 : 22	
97.5'	00 : 32	
98.5'	00 : 30	
99.5'	00 : 25	

- 97'8" - pen slowed slightly

09:19 - TO CR #19 @ 100' BLS

4/2/10 TPGW-7-CORWCL

9:34 START CR #20		
DEPTH	MIN: SEC	NOTES
100-101	00:17	<u>6</u> "OF 60"
101-102	00:16	
102-103	00:18	
103-104	00:16	
104-105	00:17	<u>10</u> % REC
9:35 END CR #20		
100.5'	00:08	WR = X
101.5'	00:07	RVS = X
102.5'	00:08	SAND = 6"
103.5'	00:06	
104.5'	00:07	

- CORE DROPPED AND OFF C.B.

- TRYING TO RECOVER. - C.B. Locked in

9:46 START CR #21		
DEPTH	MIN	SEC
105-106	00	14
106-107	00	10
107-108	00	10
108-109	00	13
109-110	00	14
<u>13</u> " OF 60"		
<u>22</u> % REC		
SAND = 13"		

9:47 END CR #21		
105.5	00	04
106.5	00	05
107.5	00	05
108.5	00	05
109.5	00	04

09:47 - TL - CR #21

4/2/10 TPGW-7 CORING.

10:01 START C.R. #22			
DEPTH	MIN	SEC	NOTES
110-111	00	17	
111-112	00	15	13 "OF 60"
112-113	00	49	
113-114	01	10	22 % RECOVERY
114-115	01	30	
10:05 END C.R. #22			
110.5'	00	14	W.C. = X'
111.5'	00	7	RUB. = X'
112.5'	00	18	SAND = 13"
113.5'	00	15	
114.5'	00	47	

10:05 - TD CR #22 @ 115' BLS.

10:21 START C.R. #23			
DEPTH	MIN	SEC	NOTES
115-116	00	27	
116-117	01	10	21 "OF 60"
117-118	00	46	
118-119	00	32	85 % RECOVERY
119-120	00	26	
10:24 END C.R. #23			
115.5'	00	20	W.C. = —"
116.5'	00	36	RUB. = —"
117.5'	00	24	SAND = 21"
118.5'	00	19	
119.5'	00	16	

10:22 - MIX TM.

10:24 - TD CR #23 @ 120'3" BLS.

TD HOLE.

TAG 121.35
- 2.35'

TAG 119' BLS