

P-S FIELD LOG REV V1.31a



B-204GDH P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/8/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF \* 4

LOGGING CREW\*: C. Carter  
 MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45am  
 ARRIVED ON SITE: 7am  
 STANDBY TIME: 7:30 - 10am CAUSE: weather  
 LOGGING STARTED: LOGGING COMPLETED:

BATTERIES CHANGED BEFORE LOGGING: YES \_\_\_; NO x; STORED WITH NEW \_\_\_  
 WINCH COMPROBE  GREY  OYO  RG  OTH \_\_\_  
 INSTRUMENT\* OYO 12004  15014  19029  RG 160023  160024   
 RECEIVER S/N\* 12008  20042  26066  11001  23053  30086   
 ISOLATION TUBE S/N\* 300083  24053  28068  28072  2M  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG   
 MICROLOGGER\* 5310  5772  NOT APPLICABLE (OYO)   
 PROBE OFFSET\* OYO 2.0M  RG 2.5M   
 MINUS CASING STICK-UP\* .31m  
 DEPTH REF. OFFSET AT START\* 2.19m  
 DEPTH REF. OFFSET AT END\* 2.17m  
 AFTER SURVEY DEPTH ERROR\* .02m  
 } REF TO GROUND SURFACE

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B7046DHSus? Down 01	26.25 ft	12:14pm	116.47 ft	1:04pm

MAINTENANCE PERFORMED ON SITE\*: NA (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: NA (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:  
 COMMENTS:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL  
 GEOVision Geophysical Services 1151 Pomona Road, Suite P, Corona, CA 92882 (951) 549-1234 Fx (951) 549-1236

B-204 GDH

P-S FIELD LOG REV V1.31a

## GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE\*: Turkey Point NPP  
 CLIENT\*: MACTEC  
 AUTHOR\*: C. Carter

DATE\*: 3/8/08  
 JOB\*: 8083  
 PAGE\* 3 OF 4

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO* (if any)	COMMENTS CASING, WATER, ROCK, ETC
0.5	1.64			
1.0	3.28			
1.5	4.92			
2.0	6.56			
2.5	8.20			
3.0	9.84			
3.5	11.48			
4.0	13.12			
4.5	14.76			
5.0	16.40			
5.5	18.04			
6.0	19.69			
6.5	21.33			
7.0	22.97			
7.5	24.61			
8.0	26.25	001		12:34 pm
8.5	27.89	2		
9.0	29.53	3		
9.5	31.17	4		
10.0	32.81	5		
10.5	34.45	6		
11.0	36.09	7		
11.5	37.73	8		
12.0	39.37	9		
12.5	41.01	10		
13.0	42.65	11		
13.5	44.29	12		
14.0	45.93	13		
14.5	47.57	14		
15.0	49.21	15		
15.5	50.85	16		
16.0	52.49	17		
16.5	54.13	18		
17.0	55.77	19		
17.5	57.41	20		
18.0	59.06	21		
18.5	60.70	22		
19.0	62.34	23		
19.5	63.98	24		
20.0	65.62	25		
20.5	67.26	26		

P-S FIELD LOG REV VI.31a

B-70160H **GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP DATE\*: 3/8/08 3/9/08  
 CLIENT\*: MACTEC JOB\*: 8083 cc 3/9/08  
 AUTHOR\*: C. Carter PAGE\*: 43 OF 4

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO* (if any)	COMMENTS CASING, WATER, ROCK, ETC
21.0	68.90	27		
21.5	70.54	28		
22.0	72.18	29		
22.5	73.82	30		
23.0	75.46	31		
23.5	77.10	32		
24.0	78.74	33		
24.5	80.38	34		
25.0	82.02	35		
25.5	83.66	36		
26.0	85.30	37		
26.5	86.94	38		
27.0	88.58	39		
27.5	90.22	40		
28.0	91.86	41		
28.5	93.50	42		
29.0	95.14	43		
29.5	96.78	44		
30.0	98.43	45		
30.5	100.07	46		
31.0	101.71	47		
31.5	103.35	48		
32.0	104.99	49		
32.5	106.63	50		
33.0	108.27	51		
33.5	109.91	52		
34.0	111.55	53		
34.5	113.19	54		
35.0	114.83	55		
35.5	116.47	56 57		1:07 10:44am (3/9)
36.0	118.11	58		
36.5	119.75	59		
37.0	121.39	60		
37.5	123.03	61		
38.0	124.67	62		
38.5	126.31	63		
39.0	127.95	64		
39.5	129.59	65		
40.0	131.23	66		
40.5	132.87	67		
41.0	134.51	68		

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



8-2046DH ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/8/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell

CONTACT: \_\_\_\_\_ PHONE: Off Cell

CONTACT: \_\_\_\_\_ PHONE: Off Cell

DRILLER \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED UNCASED   
DIAMETERS AND DEPTH RANGES: 6" 0 TO 24' ; 5" 25' TO 133 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 133 ft

SURFACE CASING?: YES  DEPTH TO BOTTOM OF CASING 24 ft ; NO \_\_\_\_\_  
DEPTH TO BEDROCK: 4 ft DEPTH TO WATER TABLE: ∅  
BOREHOLE FLUID: WATER ; FRESH WATER MUD  ; SALT WATER MUD \_\_\_\_\_ ;  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: ∅ TIME SINCE LAST CIRCULATION: 4pm 3/7

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City DEPARTURE TIME: 6:45 am  
ARRIVED ON SITE: 7 am  
STANDBY TIME: 7:30 - 10 CAUSE: weather

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-7046D11 ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/8/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF 2

WINCH: COMPROBE SILVER X OYO OTHER  
 MICROLOGGER\* 5310 5772 X  
 TELEVIEWER\* ACOUSTIC #5174 X OTHER  
 SHEAVE\* COMPROBE OYO 101 102 X 103 RG

- 1 PROBE TILT TEST\* 26.65 BRUNTON TILT\* 2.6
- 2 PROBE TILT TEST\* 88.36 BRUNTON TILT\* 87
- 3 PROBE TILT TEST\* 52.10 BRUNTON TILT\* 52 AFTER LOG\* X
- 1 PROBE AZIMUTH TEST\* 59.1 BRUNTON AZIMUTH\* 61
- 2 PROBE AZIMUTH TEST\* 348.9 BRUNTON AZIMUTH\* 348
- 3 PROBE AZIMUTH TEST\* 56.8 BRUNTON AZIMUTH\* 55 AFTER LOG\* X

PROBE OFFSET*	1.44M(4.72FT)	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	<u>-1.0</u>	
DEPTH REF. OFFSET AT START*	<u>3.72</u>	
DEPTH REF. OFFSET AT END*	<u>3.67</u>	
AFTER SURVEY DEPTH ERROR*	<u>.05</u>	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B7046D11JUP01	119.4 ft	2:11 pm	5.5 ft	2:47 pm

MAINTENANCE PERFORMED ON SITE\*: cc 3/8/08  
6" centralizer due to borehole diameter ~~not~~ changed to (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



8-7046BH CALIPER FIELD LOG  
Borehole\*

SITE\*: Turkey Point NPP DATE\*: 7/8/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
DRILLER \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD X  
DIAMETERS AND DEPTH RANGES: 6" 0 TO 24 ft ; 5" 24 ft TO 133 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 133 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 24 ft ; NO \_\_\_\_\_  
DEPTH TO BEDROCK: 4 ft DEPTH TO WATER TABLE: Ø  
BOREHOLE FLUID: WATER \_\_\_\_\_ ; FRESH WATER MUD X ; SALT WATER MUD \_\_\_\_\_ ;  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: Ø TIME SINCE LAST CIRCULATION: 4pm 3/7

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45am  
ARRIVED ON SITE: 7am  
STANDBY TIME: 7:30-10:00 on 7/8/08 CAUSE: weather

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



B-204GDH  
 Borehole\*

CALIPER FIELD LOG

SITE\*: Turkey Point NPP DATE\*: 3/8/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO \_\_\_\_\_ RG \_\_\_\_\_ OTHER \_\_\_\_\_  
 MICROLOGGER\* 5310  5772  OTHER \_\_\_\_\_  
 CALIPER PROBE\* 5368  OTHER \_\_\_\_\_  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG

PROBE OFFSET	2.08M(6.82 FT)	12 IN MAX
MINUS CASING STICK-UP*	-1.0	} REF TO GROUND SURFACE
DEPTH REF. OFFSET AT START*	5.82	
DEPTH REF. OFFSET AT END*	5.70	
AFTER SURVEY DEPTH ERROR*	.12	

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
B704GDHICALTEST01		3:05 pm		3:06 pm
B704GDHICALUP01	121.0 ft	3:22 pm	8.6 ft	3:33 pm
B704GDHICALTEST02		3:41 pm		3:42 pm

CALIBRATION PLATE S/N 201

FILE NAME	AS BUILT			PVC FITTING
	1.968 IN (50 MM)	3.937 IN (100 MM)	8.000 IN (203.2 MM)	4.507 IN 4.510" cc 3/8/08 (114.3 MM)
AS MEAS.* B704GDHICALTEST01	1.99	3.98	8.04	4.53
AS MEAS.* B704GDHICALTEST02	1.931	3.975	8.02	4.53
AS MEAS.				
AS MEAS.				
AS MEAS.				

MAINTENANCE PERFORMED ON SITE\*: \_\_\_\_\_ N/A \_\_\_\_\_ (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: \_\_\_\_\_ N/A \_\_\_\_\_ (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



B-704 GDT ELOG FIELD LOG

Borehole\*  
SITE\*: Turkey Point NPP DATE\*: cc 3/9/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD \_\_\_\_\_  
DIAMETERS AND DEPTH RANGES: \_\_\_\_\_ 0 TO \_\_\_\_\_ TO \_\_\_\_\_

BOREHOLE TOTAL DEPTH AS DRILLED\*: ~~133 ft~~ 163 ft

SURFACE CASING?: YES  DEPTH TO BOTTOM OF CASING: ~~24 ft~~ 114 ft NO   
DEPTH TO BEDROCK: 4' DEPTH TO WATER TABLE: ∅  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: ∅ TIME SINCE LAST CIRCULATION: 4:37 9am  
cc 3/9/08

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45 am  
ARRIVED ON SITE: 7 am  
STANDBY TIME: 2:30 am CAUSE: \_\_\_\_\_  
cc 3/9/08

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



ELOG FIELD LOG REV 1 to



B-704GDH ELOG FIELD LOG  
 Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO RG OTHER  
 MICROLOGGER\* 5310  5772  OTHER  
 ELOG PROBE\* 5490  OTHER  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG

PROBE LENGTH	2.50M(8.20 FT)	} REF TO GROUND SURFACE
PLUS YOKE 10.0M (32.8 FT)*	32.8	
MINUS CASING STICK-UP*	-2.0	
DEPTH REF. OFFSET AT START*	39.0	
DEPTH REF. OFFSET AT END*	38.9	
AFTER SURVEY DEPTH ERROR*	.1	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B704GDH ELOG T89 T03		9:07		9:09 am
B704GDH ELOG VP03	163.05 ft	10:01	103.75 ft	10:08

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

P-S FIELD LOG REV V1.31a



B-704GDH P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE 1 OF \* 4

CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION\*: CASED ~~CC~~ 3/9/08 UNCASED ~~X~~  
DIAMETERS AND DEPTH RANGES\*: 6" 0 TO 24 ft ; 3 7/8" 114 TO 163 ft  
BOREHOLE TOTAL DEPTH AS DRILLED\*: 163 ft  
SURFACE CASING?: ~~CC~~ 3/9/08 ~~X~~ DEPTH TO BOTTOM OF CASING 114 ft; NO  
DEPTH TO BEDROCK: 4 ft DEPTH TO WATER TABLE: Ø  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD X; SALT WATER MUD; \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID\*: 12 ft TIME SINCE LAST CIRCULATION: 1 am

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL  
GEOVision Geophysical Services 115 Pomona Road, Suite P, Corona, CA 92602 (951) 549-1234 FX (951) 549-1236

P-S FIELD LOG REV V1.31a



B-20460H **P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a**

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF \* 4/

LOGGING CREW\*: C. Carter  
 MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45am  
 ARRIVED ON SITE: 7am  
 STANDBY TIME: CAUSE:  
 LOGGING STARTED: 10:45am LOGGING COMPLETED: 11:00am

BATTERIES CHANGED BEFORE LOGGING: YES ; NO  ; STORED WITH NEW \_\_\_\_\_  
 WINCH COMPROBE  GREY  OYO  RG  OTH \_\_\_\_\_  
 INSTRUMENT\* OYO 12004  15014  19029  RG 160023  160024   
 RECEIVER S/N\* 12008  20042  26066  11001  23053  30086   
 ISOLATION TUBE S/N\* 300083  24053  28068  28072  2M \_\_\_\_\_  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG   
 MICROLOGGER\* 5310  5772  NOT APPLICABLE (OYO)   
 PROBE OFFSET\* OYO 2.0M  RG 2.5M   
 MINUS CASING STICK-UP\* -.61m  
 DEPTH REF. OFFSET AT START\* 1.88m  
 DEPTH REF. OFFSET AT END\* 1.88  
 AFTER SURVEY DEPTH ERROR\* .01m } REF TO GROUND SURFACE

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B7046D45USDOWN02	35.5m	10:44am	45.5m	11:00am

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:  
 COMMENTS:

*ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL*

GEOVision Geophysical Services 1151 Pomona Road, Suite P, Corona, CA 92702 (951) 549-1234 Fx (951) 549-1236

P-S FIELD LOG REV V1.31a

B-70160H **GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP DATE\*: 3/8/08 3/9/08  
 CLIENT\*: MACTEC JOB\*: 8083 cc 3/9/08  
 AUTHOR\*: C. Carter PAGE\*: 484 OF 4  
 ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL cc 7/10/08

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO* (if any)	COMMENTS CASING, WATER, ROCK, ETC
21.0	68.90	27		
21.5	70.54	28		
22.0	72.18	29		
22.5	73.82	30		
23.0	75.46	31		
23.5	77.10	32		
24.0	78.74	33		
24.5	80.38	34		
25.0	82.02	35		
25.5	83.66	36		
26.0	85.30	37		
26.5	86.94	38		
27.0	88.58	39		
27.5	90.22	40		
28.0	91.86	41		
28.5	93.50	42		
29.0	95.14	43		
29.5	96.78	44		
30.0	98.43	45		
30.5	100.07	46		
31.0	101.71	47		
31.5	103.35	48		
32.0	104.99	49		
32.5	106.63	50		
33.0	108.27	51		
33.5	109.91	52		
34.0	111.55	53		
34.5	113.19	54		
35.0	114.83	55		
35.5	116.47	56	57	1:04 10:44am (3/9)
36.0	118.11	58		
36.5	119.75	59		
37.0	121.39	60		
37.5	123.03	61		
38.0	124.67	62		
38.5	126.31	63		
39.0	127.95	64		
39.5	129.59	65		
40.0	131.23	66		
40.5	132.87	67		
41.0	134.51	68		

P-S FIELD LOG REV V1.31a

B-7046DII

**GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP \_\_\_\_\_ DATE\*: 3/9/08  
 CLIENT\*: MACTEC \_\_\_\_\_ JOB\*: 8083  
 AUTHOR\*: C. Carter \_\_\_\_\_ PAGE\*: 4 OF 4

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO* (if any)	COMMENTS CASING, WATER, ROCK, ETC
41.5	136.15	69		
42.0	137.80	70		
42.5	139.44	71		
43.0	141.08	72		
43.5	142.72	73		
44.0	144.36	74		
44.5	146.00	75		
45.0	147.64	76		
45.5	149.28	77		hit bottom @ 45.6m 11:00am
46.0	150.92			
46.5	152.56			
47.0	154.20			
47.5	155.84			
48.0	157.48			
48.5	159.12			
49.0	160.76			
49.5	162.40			
50.0	164.04			
50.5	165.68			
51.0	167.32			
51.5	168.96			
52.0	170.60			
52.5	172.24			
53.0	173.88			
53.5	175.52			
54.0	177.17			
54.5	178.81			
55.0	180.45			
55.5	182.09			
56.0	183.73			
56.5	185.37			
57.0	187.01			
57.5	188.65			
58.0	190.29			
58.5	191.93			
59.0	193.57			
59.5	195.21			
60.0	196.85			
60.5	198.49			
61.0	200.13			
61.5	201.77			



B-7046BH CALIPER FIELD LOG

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
DRILLER \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASED X  
DIAMETERS AND DEPTH RANGES: 6" 0 TO 24 ft; 3 7/8" 114 ft TO 163 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 163 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 114 ft; NO \_\_\_\_\_  
DEPTH TO BEDROCK: 4' DEPTH TO WATER TABLE: Ø  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD X; SALT WATER MUD \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: 12 ft TIME SINCE LAST CIRCULATION: 9am

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45am  
ARRIVED ON SITE: 7am  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

CALIPER FIELD LOG REV 1.1a.PDF



B-7046DH CALIPER FIELD LOG  
 Borehole

SITE\*: Turkey Point NPP DATE\*: 3/19/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO  RG  OTHER   
 MICROLOGGER\* 5310  5772  OTHER   
 CALIPER PROBE\* 5368  OTHER   
 SHEAVE\* COMPROBE  OYO 10  102  103  RG

PROBE OFFSET	2.08M(6.82 FT)	12 IN MAX
MINUS CASING STICK-UP*	-2.0	} REF TO GROUND SURFACE
DEPTH REF. OFFSET AT START*	4.82	
DEPTH REF. OFFSET AT END*	4.72	
AFTER SURVEY DEPTH ERROR*	.10	

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
B7046DHCALTEST03		12:19		12:20
B7046DHCALUP02	155.4 ft	12:36	105.05 ft	12:41
B7046DHCALTEST04		12:51		12:52

	FILE NAME	AS BUILT			PVC FITTING
		1.968 IN (50 MM)	3.937 IN (100 MM)	8.000 IN (203.2 MM)	4.507 IN (114.3 MM)
AS MEAS.*	B7046DHCALTEST03	2.02	4.02	8.04	4.56
AS MEAS.*	B7046DHCALTEST04	2.00	3.99	8.03	4.55
AS MEAS.					
AS MEAS.					
AS MEAS.					
AS MEAS.					

4.510" cc 3/19/08

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.



B-7046D11 ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
DRILLER \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD   
DIAMETERS AND DEPTH RANGES: 6" 0 TO 2.4 ft ; 3 7/8" 114 TO 163 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 163 ft

SURFACE CASING?: YES  DEPTH TO BOTTOM OF CASING 114 ft ; NO \_\_\_\_\_  
DEPTH TO BEDROCK: 4 ft DEPTH TO WATER TABLE: 0  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_;  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: 12 ft TIME SINCE LAST CIRCULATION: 9 am

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City DEPARTURE TIME: 6:45 am  
ARRIVED ON SITE: 7 am  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-7046DH ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF 2

WINCH: COMPROBE SILVER X OYO OTHER  
 MICROLOGGER\* 5310 5772 X  
 TELEVIEWER\* ACOUSTIC #5174 X OTHER  
 SHEAVE\* COMPROBE OYO 101 102 X 103 RG

1 PROBE TILT TEST\* 52.4 BRUNTON TILT\* 52  
 2 PROBE TILT TEST\* 92.18 BRUNTON TILT\* 92  
 3 PROBE TILT TEST\* 27.79 BRUNTON TILT\* 28 AFTER LOG\* yes  
 1 PROBE AZIMUTH TEST\* 58.0 BRUNTON AZIMUTH\* 61  
 2 PROBE AZIMUTH TEST\* 351.9 BRUNTON AZIMUTH\* 351  
 3 PROBE AZIMUTH TEST\* 63.4 BRUNTON AZIMUTH\* 61 AFTER LOG\* yes

PROBE OFFSET*	1.44M(4.72FT)	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	-2.0	
DEPTH REF. OFFSET AT START*	2.72	
DEPTH REF. OFFSET AT END*	2.70	
AFTER SURVEY DEPTH ERROR*	.02	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B7046DH100P02	157.2 ft	11:46 am	108.5 ft	11:48 am

MAINTENANCE PERFORMED ON SITE\*: N/A cc 7/24/08 (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A cc 7/24/08 (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

GEOVision Geophysical Services 1151 Pomona Road, Unit P, Corona, CA 92882 Ph (951) 549-1234 Fax (951) 549-1236



B-708DH BORING GEOPHYSICS FIELD LOG SUMMARY

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08, 3/10/08, 3/13/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: 1 OF 1 cc 7/10/08

CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_

BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASSED   
 DIAMETERS AND DEPTH RANGES: 4" 0 TO 25.5 ft ; \_\_\_\_\_ TO \_\_\_\_\_  
 BOREHOLE TOTAL DEPTH AS DRILLED\*: \_\_\_\_\_  
 CONDUCTOR CASING?: YES  DEPTH TO BOTTOM OF CASING 25.5' ; NO \_\_\_\_\_  
 DEPTH TO BEDROCK: 3.5 ft  
 BOREHOLE FLUID: WATER \_\_\_\_\_ ; FRESH WATER MUD  ; SALT WATER MUD \_\_\_\_\_

LOGGING CREW: C. Carter

LOG TYPE*	FILE NAME*	DEPTH RANGE*	DATE*	TIMES*
ELOG	B708DHELOGTEST01		3/9/08	2:57 - 2:58 pm
ELOG	B708DHELOGUP01	125.4 - 35.95 ft	3/9/08	4:11 - 4:21 pm
PS velocity	B708DHSUSPDOWN01	27.89 - 72.18 ft	3/9/08	4:53 - 5:13 pm
PS velocity	B708DHSUSPDOWN02	68.9 - 104.99 ft	3/10/08	9:47 - 10:08 am
ATV	B708DHAUUP01	100.9 - 19.9 ft	3/10/08	11:59 - 12:33 pm
Caliper	B708DHCALTEST01		3/10/08	1:27 - 1:28 pm
Caliper	B708DHCALUP01	116.65 - 15.35 ft	3/10/08	1:49 - 2:01 pm
Caliper	B708DHCALTEST02		3/10/08	2:09 - 2:11 pm
ELOG	B708DHELOGTEST02		3/13/08	8:25 - 8:26 am
ELOG	B708DHELOGUP02	260.7 - 102.3 ft	3/13/08	10:59 - 11:15 am
PS velocity	B708DHSUSPDOWN03	108.27 - 247.7 ft	3/13/08	11:52 - 12:44 pm
Caliper	B708DHCALTEST03		3/13/08	1:22 - 1:23 pm
Caliper	B708DHCALUP02	252.25 - 94.35'	3/13/08	1:42 - 1:57 pm
Caliper	B708DHCALTEST04		3/13/08	2:07 - 2:08
Deviation	B708DHAUUP02	251.3 - 94.9 ft	3/13/08	3:32 - 3:40 pm
ATV	B708DHAUUP03	118.4 - 97.4 ft	3/13/08	4:12 - 4:20 pm

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ELOG FIELD LOG REV 1.1a



B-708DH ELOG FIELD LOG  
Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD   
DIAMETERS AND DEPTH RANGES: 4" 0 TO 25.5 ft ; 3 3/4" 25.5 TO 130 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 130 ft

SURFACE CASING?: YES  DEPTH TO BOTTOM OF CASING 25.5 ft. NO \_\_\_\_\_  
DEPTH TO BEDROCK: 3.5 ft DEPTH TO WATER TABLE: ∅  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_;  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: ∅ TIME SINCE LAST CIRCULATION: 3 am

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45 am  
ARRIVED ON SITE: 7 am  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ELOG FIELD LOG REV 1.1a



B-708D46 Borehole\* ELOG FIELD LOG

SITE\*: Turkey Point NPP DATE\*: 3/9/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO RG OTHER  
 MICROLOGGER\* 5310  5772  OTHER  
 ELOG PROBE\* 5490  OTHER  
 SHEAVE\* COMPROBE  OYO 10'  10'  10' RG

PROBE LENGTH	2.50M(8.20 FT)	
PLUS YOKE 10.0M (32.8 FT)*	32.8	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	-1.33	
DEPTH REF. OFFSET AT START*	39.67	
DEPTH REF. OFFSET AT END*	39.35	
AFTER SURVEY DEPTH ERROR*	.32	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B708D46ELOGTEST01		2:57		2:58
B708D46ELOGUP01	125.4'	4:11 pm	35.95 ft	4:21 pm

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

P-S FIELD LOG REV V1.31a



B-708BH **P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a**

Borehole

SITE\*: Turkey Point NPP DATE\*: 3/9/08, 3/10/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE 1 OF \* 4

CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION\*: CASSED \_\_\_\_\_ UNCASSED X  
DIAMETERS AND DEPTH RANGES\*: 4" 0 TO 25.5-ft; 3 3/4", 25.5 TO 130 ft  
BOREHOLE TOTAL DEPTH AS DRILLED\*: 130 ft  
SURFACE CASING?: X DEPTH TO BOTTOM OF CASING 25.5'; NO \_\_\_\_\_  
DEPTH TO BEDROCK: 3.5 ft DEPTH TO WATER TABLE: Ø  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD X; SALT WATER MUD; \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID\*: Ø TIME SINCE LAST CIRCULATION: 3 pm / 9 am 3:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.  
GEOVision Geophysical Services — 11541 Pomona Road, Suite P, Corona, CA 92602 (951) 549-1234 Fx (951) 549-1236

P-S FIELD LOG REV 1.31a



B-708DH P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/9/08, 3/10/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF \* 4

LOGGING CREW\*: C. Carter  
 MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45am / 6:30 3/10/08  
 ARRIVED ON SITE: 7am  
 STANDBY TIME: CAUSE:  
 LOGGING STARTED: 4:53 pm / 9:47am LOGGING COMPLETED: 5:13 pm / 10:05am

BATTERIES CHANGED BEFORE LOGGING: YES ; NO  ; STORED WITH NEW \_\_\_\_\_  
 WINCH COMPROBE  GREY  OYO  RG  OTH \_\_\_\_\_  
 INSTRUMENT\* OYO 12004  15014  19029  RG 160023  160024   
 RECEIVER S/N\* 12008  20042  26066  11001  23053  30086   
 ISOLATION TUBE S/N\* 300083  24053  28068  28072  2M \_\_\_\_\_  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG   
 MICROLOGGER\* 5310  5772  NOT APPLICABLE (OYO)   
 PROBE OFFSET\* OYO 2.0M  RG 2.5M   
 MINUS CASING STICK-UP\*  $\frac{-0.40}{-0.4}$   
 DEPTH REF. OFFSET AT START\*  $\frac{2.1}{2.1}$  } REF TO GROUND SURFACE  
 DEPTH REF. OFFSET AT END\*  $\frac{2.08}{2.1}$   
 AFTER SURVEY DEPTH ERROR\*  $\frac{.02}{.02}$

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B708DHSUSPDOWN01	27.89 ft	4:53 pm	72.18 ft	5:13 pm
B708DHSUSPDOWN02	68.9 ft	9:47 am	104.99 ft	10:05 am

3/9  
3/10

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:  
 COMMENTS:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

GEOVision Geophysical Services 1151 Pomona Road, Suite P, Corona, CA 92802(951) 549-1234 Fx (951) 549-1236

P-S FIELD LOG REV V1.31a

B-708D11 **GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP DATE\*: 3/19/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: 3 OF 4

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO*. (if any)	COMMENTS CASING, WATER, ROCK, ETC
0.5	1.64			
1.0	3.28			
1.5	4.92			
2.0	6.56			
2.5	8.20			
3.0	9.84			
3.5	11.48			
4.0	13.12			
4.5	14.76			
5.0	16.40			
5.5	18.04			
6.0	19.69			
6.5	21.33			
7.0	22.97			
7.5	24.61			
8.0	26.25			
8.5	27.89	001		4.53
9.0	29.53	2		
9.5	31.17	3		
10.0	32.81	4		
10.5	34.45	5		
11.0	36.09	6		
11.5	37.73	7		
12.0	39.37	8		
12.5	41.01	9		
13.0	42.65	10		
13.5	44.29	11		
14.0	45.93	12		
14.5	47.57	13		
15.0	49.21	14		
15.5	50.85	15		
16.0	52.49	16		
16.5	54.13	17		
17.0	55.77	18		
17.5	57.41	19		
18.0	59.06	20		
18.5	60.70	21		
19.0	62.34	22		
19.5	63.98	23		
20.0	65.62	24		
20.5	67.26	25		

P-S FIELD LOG REV V1.31a

B-708DH **GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP DATE\*: 3/9/08, 3/10/08, 3/12/08  
 CLIENT\*: MACTEC JOB\*: 8083 cc 3/12/08  
 AUTHOR\*: C. Carter PAGE\*: ~~34~~ OF ~~34~~ cl 7/20/08

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO* (If any)	COMMENTS CASING, WATER, ROCK, ETC
21.0	68.90	26 29		4:47 am (3/10)
21.5	70.54	27 30		
22.0	72.18	28 31		5:13 pm
22.5	73.82	32		
23.0	75.46	33		
23.5	77.10	34		
24.0	78.74	35		
24.5	80.38	36		
25.0	82.02	37		
25.5	83.66	38		
26.0	85.30	39		
26.5	86.94	40		
27.0	88.58	41		
27.5	90.22	42		
28.0	91.86	43		
28.5	93.50	44		
29.0	95.14	45		
29.5	96.78	46		
30.0	98.43	47		
30.5	100.07	48		
31.0	101.71	49		
31.5	103.35	50		
32.0	104.99	51		10:05 (3/10)
32.5	106.63			
33.0	108.27	52		11:52 3/12
33.5	109.91	53 152		
34.0	111.55	54 151		
34.5	113.19	55 150		
35.0	114.83	56 149		
35.5	116.47	57 148		
36.0	118.11	58 147		
36.5	119.75	59 146		
37.0	121.39	60 145		
37.5	123.03	61 144		
38.0	124.67	62 143		
38.5	126.31	63 142		
39.0	127.95	64 141		
39.5	129.59	65 140		
40.0	131.23	66 139		
40.5	132.87	67 138		
41.0	134.51	68		



ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-708D 4 ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/10/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell

CONTACT: \_\_\_\_\_ PHONE: Off Cell

CONTACT: \_\_\_\_\_ PHONE: Off Cell

DRILLER \_\_\_\_\_ PHONE: Off Cell

COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD X  
DIAMETERS AND DEPTH RANGES: 4" 0 TO 25.5 ft; 3 3/4" 25.5 TO 130 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 130 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 25.5'; NO \_\_\_\_\_

DEPTH TO BEDROCK: 3.5 ft DEPTH TO WATER TABLE: Ø

BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD X; SALT WATER MUD \_\_\_\_\_;

OTHER: \_\_\_\_\_

DEPTH TO BOREHOLE FLUID: Ø TIME SINCE LAST CIRCULATION: 9 am

LOGGING CREW: C. Carter

VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_

MOBILIZED FROM: Florida City DEPARTURE TIME: 6:30 am

ARRIVED ON SITE: 7 am

STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.



B-708DH ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/10/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF 2

WINCH: COMPROBE \_\_\_ SILVER X OYO \_\_\_ OTHER \_\_\_  
 MICROLOGGER\* 5310 \_\_\_ 5772 X  
 TELEVIEWER\* ACOUSTIC #5174 X OTHER \_\_\_  
 SHEAVE\* COMPROBE \_\_\_ OYO 101 \_\_\_ 102 X 103 \_\_\_ RG \_\_\_

1 PROBE TILT TEST\* 90.05 BRUNTON TILT\* 90  
 2 PROBE TILT TEST\* 52.59 BRUNTON TILT\* 53  
 3 PROBE TILT TEST\* 12.4 BRUNTON TILT\* 12 AFTER LOG\* yes  
 1 PROBE AZIMUTH TEST\* 351.2 BRUNTON AZIMUTH\* 353  
 2 PROBE AZIMUTH TEST\* 43.4 BRUNTON AZIMUTH\* 49  
 3 PROBE AZIMUTH TEST\* 14.1 BRUNTON AZIMUTH\* 16 AFTER LOG\* yes

PROBE OFFSET*	1.44M(4.72FT)	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	<u>-1.33</u>	
DEPTH REF. OFFSET AT START*	<u>7.39</u>	
DEPTH REF. OFFSET AT END*	<u>3.65</u>	
AFTER SURVEY DEPTH ERROR*	<u>.34</u>	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B708DH0001	100.9 ft	11:59	19.9 ft	12:33 pm

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: The cable went stuck a number of times from 80' - 100'  
 ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

CALIPER FIELD LOG REV 1.1a PDF



B-708011 CALIPER FIELD LOG  
Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/10/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
DRILLER \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASED X  
DIAMETERS AND DEPTH RANGES: 4" 0 TO 25.5 ft ; 3 3/4" 25.5 TO 130.5ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 130.5ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 25.5' ; NO \_\_\_\_\_  
DEPTH TO BEDROCK: 3.5ft DEPTH TO WATER TABLE: 0  
BOREHOLE FLUID: WATER \_\_\_\_\_ ; FRESH WATER MUD X ; SALT WATER MUD \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 9am

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:30 am  
ARRIVED ON SITE: 7 am  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

CALIPER FIELD LOG REV 1.1a PDF



3-10801 CALIPER FIELD LOG  
 Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/10/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO  RG  OTHER   
 MICROLOGGER\* 5310  5772  OTHER   
 CALIPER PROBE\* 5368  OTHER   
 SHEAVE\* COMPROBE  OYO 10'  102'  103'  RG

PROBE OFFSET	2.08M(6.82 FT)	12 IN MAX
MINUS CASING STICK-UP*	1.33	} REF TO GROUND SURFACE
DEPTH REF. OFFSET AT START*	5.49	
DEPTH REF. OFFSET AT END*	5.30	
AFTER SURVEY DEPTH ERROR*	.19	

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
B708DHICALTEST01		1:27		1:28 pm
B708DHICALUP01	116.65 ft	1:49	15.35 ft	2:01 pm
B708DHICALTEST02		2:09		2:11 pm

FILE NAME	AS BUILT			PVC FITTING
	1.968 IN (50 MM)	3.937 IN (100 MM)	8.000 IN (203.2 MM)	4.507 IN (114.3 MM)
AS MEAS.* B708DHICALTEST01	1.961	3.96	7.99	4.53
AS MEAS.* B708DHICALTEST02	1.946	4.00	8.04	4.54
AS MEAS.				
AS MEAS.				
AS MEAS.				
AS MEAS.				

cc 3/10/08  
4.510

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ELOG FIELD LOG REV 1.1a



B-708D#

ELOG FIELD LOG

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD   
DIAMETERS AND DEPTH RANGES: 4" 0 TO 25.5 ft; 3 3/4" 25.5 TO 26.5

BOREHOLE TOTAL DEPTH AS DRILLED\*: 26.5 ft

SURFACE CASING?: YES  DEPTH TO BOTTOM OF CASING 105.8'; NO \_\_\_\_\_  
DEPTH TO BEDROCK: ~3 ft DEPTH TO WATER TABLE: φ  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: φ TIME SINCE LAST CIRCULATION: 9 am

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45 am  
ARRIVED ON SITE: 7 am  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

ELOG FIELD LOG REV 1.1a



R-708DH ELOG FIELD LOG  
 Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/3/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: PAGE 2 OF 2

WINCH: COMPROBE  SILVER  OYO  RG  OTHER   
 MICROLOGGER\* 5310  5772  OTHER   
 ELOG PROBE\* 5490  OTHER   
 SHEAVE\* COMPROBE  OYO 10'  102'  103'  RG

PROBE LENGTH	2.50M(8.20 FT)	} REF TO GROUND SURFACE
PLUS YOKE 10.0M (32.8 FT)*	32.8	
MINUS CASING STICK-UP*	1.25	
DEPTH REF. OFFSET AT START*	39.75	
DEPTH REF. OFFSET AT END*	39.60	
AFTER SURVEY DEPTH ERROR*	.15	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
R-708DHELO6TEST02		8:25am		8:26am
R708DHELO6UP02	260.76'	10:59	102.3'	11:15

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



B-708D H  
Borehole\*

CALIPER FIELD LOG

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell

CONTACT: \_\_\_\_\_ PHONE: Off Cell

CONTACT: \_\_\_\_\_ PHONE: Off Cell

DRILLER \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: \_\_\_\_\_ RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_

BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD 2x  
DIAMETERS AND DEPTH RANGES: 4" 0 TO 25.5 ; 3 3/4" 25.5 TO 265 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 265

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 105.8' NO \_\_\_\_\_  
DEPTH TO BEDROCK: ~3 ft DEPTH TO WATER TABLE: Ø  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD X; SALT WATER MUD \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: Ø TIME SINCE LAST CIRCULATION: 9am

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45am  
ARRIVED ON SITE: 7am  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



B-268D H

CALIPER FIELD LOG

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO RG OTHER  
 MICROLOGGER\* 5310  5772  OTHER  
 CALIPER PROBE\* 5368  OTHER  
 SHEAVE\* COMPROBE  OYO 10  102  101  RG

PROBE OFFSET	2.08M(6.82 FT)	12 IN MAX
MINUS CASING STICK-UP*	1.25	} REF TO GROUND SURFACE
DEPTH REF. OFFSET AT START*	5.57	
DEPTH REF. OFFSET AT END*	5.56	
AFTER SURVEY DEPTH ERROR*	.07	

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
B708DHCALEST03		1:22		1:23 pm
B708DHCALUP02	252.25'	1:42	94.35'	1:57
B708DHCALEST04	252.25'	2:07	94.35'	2:08
	cc 3/13/08		cc 3/13/08	

CALIBRATION PLATE S/N 201	FILE NAME	AS BUILT			PVC FITTING
		1.968 IN (50 MM)	3.937 IN (100 MM)	8.000 IN (203.2 MM)	4.510 IN (114.3 MM)
AS MEAS.*	B708DHCALEST03	1.983	3.986	8.06	4.53
AS MEAS.*	B708DHCALEST04	1.99	3.986	8.05	4.517
AS MEAS.					
AS MEAS.					
AS MEAS.					
AS MEAS.					

4.510" cc 3/13/08

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



P-S FIELD LOG REV V1.31a



B-708D4 P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 1 OF \* 5

CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_  
 CONTACT: \_\_\_\_\_ PHONE: Off Cell \_\_\_\_\_

DIRECTIONS TO SITE: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
 BOREHOLE CONSTRUCTION\*: CASED \_\_\_\_\_ UNCASD   
 DIAMETERS AND DEPTH RANGES\*: 4" 0 TO 25.5'; 3 3/4" 25.5' TO 265'  
 BOREHOLE TOTAL DEPTH AS DRILLED\*: 265'  
 SURFACE CASING?:  DEPTH TO BOTTOM OF CASING 105.8'; NO  
 DEPTH TO BEDROCK: ~3 ft DEPTH TO WATER TABLE: 0  
 BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD; \_\_\_\_\_  
 OTHER: \_\_\_\_\_  
 DEPTH TO BOREHOLE FLUID\*: 0 TIME SINCE LAST CIRCULATION: 9am

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL  
 GEOVision Geophysical Services - 1457 Pomona Road, Suite P, Corona, CA 92622 (951) 549-1234 Fx (951) 549-1236

P-S FIELD LOG REV V1.31a



B-708D P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF \* 5 ca 7/10/08

LOGGING CREW\*: C. Carter  
 MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 6:45am  
 ARRIVED ON SITE: 7am  
 STANDBY TIME: CAUSE:  
 LOGGING STARTED: 11:52 LOGGING COMPLETED: 12:44pm

BATTERIES CHANGED BEFORE LOGGING: YES ; NO  ; STORED WITH NEW  
 WINCH COMPROBE  GREY  OYO  RG  OTH   
 INSTRUMENT\* OYO 12004  15014  19029  RG 160023  160024   
 RECEIVER S/N\* 12008  20042  26066  11001  23053  30086   
 ISOLATION TUBE S/N\* 300083  24053  28068  28072  2M  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG   
 MICROLOGGER\* 5310  5772  NOT APPLICABLE (OYO)   
 PROBE OFFSET\* OYO 2.0M  RG 2.5M   
 MINUS CASING STICK-UP\* -.38  
 DEPTH REF. OFFSET AT START\* 2.12  
 DEPTH REF. OFFSET AT END\* 2.11  
 AFTER SURVEY DEPTH ERROR\* .01  
 } REF TO GROUND SURFACE

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B708D4 SUSP DRUM/03	108.27'	11:52	247.7	12:44pm

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)  
 EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)  
 SUGGESTIONS, ADDITIONS, CHANGES:  
 COMMENTS:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL  
 GEOVision Geophysical Services 1151 Pomona Road, Suite P, Corona, CA 92802 (951) 549-1234 Fx (951) 549-1236

P-S FIELD LOG REV V1 31a

B-7080H

# GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE\*: Turkey Point NPP

DATE\*: 3/9/08, 3/10/08, 3/13/08

CLIENT\*: MACTEC

JOB\*: 8083 ec 3/13/08

AUTHOR\*: C. Carter

PAGE\*: 3 OF 5

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*.	FILTERED FILE NO* (if any)	COMMENTS CASING, WATER, ROCK, ETC
21.0	68.90	26	29	9:47 am (3/10)
21.5	70.54	27	30	
22.0	72.18	28	31	5:13 pm
22.5	73.82		32	
23.0	75.46		33	
23.5	77.10		34	
24.0	78.74		35	
24.5	80.38		36	
25.0	82.02		37	
25.5	83.66		38	
26.0	85.30		39	
26.5	86.94		40	
27.0	88.58		41	
27.5	90.22		42	
28.0	91.86		43	
28.5	93.50		44	
29.0	95.14		45	
29.5	96.78		46	
30.0	98.43		47	
30.5	100.07		48	
31.0	101.71		49	
31.5	103.35		50	
32.0	104.99		51	10:05 (3/10)
32.5	106.63			
33.0	108.27		52	11:32 3/13
33.5	109.91		53 152	
34.0	111.55		54 151	
34.5	113.19		55 150	
35.0	114.83		56 149	
35.5	116.47		57 148	
36.0	118.11		58 147	
36.5	119.75		59 146	
37.0	121.39		60 145	
37.5	123.03		61 144	
38.0	124.67		62 143	
38.5	126.31		63 142	
39.0	127.95		64 141	
39.5	129.59		65 140	
40.0	131.23		66 139	
40.5	132.87		67 138	
41.0	134.51		68	

P-S FIELD LOG REV V1.31a

B-70810H **GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: 4 OF 5

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO*. (if any)	COMMENTS CASING, WATER, ROCK, ETC
41.5	136.15	69		
42.0	137.80	70		
42.5	139.44	71		
43.0	141.08	72		
43.5	142.72	73		
44.0	144.36	74		
44.5	146.00	75		
45.0	147.64	76		
45.5	149.28	77		
46.0	150.92	78		
46.5	152.56	79		
47.0	154.20	80		
47.5	155.84	81		
48.0	157.48	82		
48.5	159.12	83		
49.0	160.76	84		
49.5	162.40	85		
50.0	164.04	86		
50.5	165.68	87		
51.0	167.32	88		
51.5	168.96	89		
52.0	170.60	90		
52.5	172.24	91		
53.0	173.88	92		
53.5	175.52	93		
54.0	177.17	94		
54.5	178.81	95		
55.0	180.45	96		
55.5	182.09	97		
56.0	183.73	98		
56.5	185.37	99		
57.0	187.01	100		
57.5	188.65	101		
58.0	190.29	102		
58.5	191.93	103		
59.0	193.57	104		
59.5	195.21	105		
60.0	196.85	106		
60.5	198.49	107		
61.0	200.13	108		
61.5	201.77	109		

P-S FIELD LOG REV V1.31a

B-708Dfl

# GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: 5 OF 5

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*.	FILTERED FILE NO*. (if any)	COMMENTS CASING, WATER, ROCK, ETC
62.0	203.41	110		
62.5	205.05	111		
63.0	206.69	112		
63.5	208.33	113		
64.0	209.97	114		
64.5	211.61	115		
65.0	213.25	116		
65.5	214.90	117		
66.0	216.54	118		
66.5	218.18	119		
67.0	219.82	120		
67.5	221.46	121		
68.0	223.10	122		
68.5	224.74	123		
69.0	226.38	124		
69.5	228.02	125		
70.0	229.66	126		
70.5	231.30	127		
71.0	232.94	128		
71.5	234.58	129		
72.0	236.22	130		
72.5	237.86	131		
73.0	239.50	132		
73.5	241.14	133		
74.0	242.78	134		
74.5	244.42	135		
75.0	246.06	136		
75.5	247.70	137		12:44
76.0	249.34			
76.5	250.98			
77.0	252.62			
77.5	254.27			
78.0	255.91			
78.5	257.55			
79.0	259.19			
79.5	260.83			
80.0	262.47			
80.5	264.11			
81.0	265.75			
81.5	267.39			
82.0	269.03			

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-708-DH ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
DRILLER \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD X  
DIAMETERS AND DEPTH RANGES: 4" 0 TO 25.5; 3 3/4 25.5' TO 265'

BOREHOLE TOTAL DEPTH AS DRILLED\*: 265 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 105.2/98.5; NO \_\_\_\_\_  
DEPTH TO BEDROCK: ~3 DEPTH TO WATER TABLE: Ø  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD X; SALT WATER MUD \_\_\_\_\_;  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: Ø TIME SINCE LAST CIRCULATION: 1am

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City DEPARTURE TIME: 6:45  
ARRIVED ON SITE: 7  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-708DN ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/13/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF 2

WINCH: \_\_\_\_\_ COMPROBE \_\_\_\_\_ SILVER<sup>X</sup> \_\_\_\_\_ OYO \_\_\_\_\_ OTHER \_\_\_\_\_  
 MICROLOGGER\* 5310 <sup>?</sup> 5772 <sup>x</sup> \_\_\_\_\_  
 TELEVIEWER\* ACOUSTIC #5174 <sup>x</sup> OTHER \_\_\_\_\_  
 SHEAVE\* COMPROBE \_\_\_\_\_ OYO 101 \_\_\_\_\_ 102 <sup>x</sup> 103 \_\_\_\_\_ RG \_\_\_\_\_

- 1 PROBE TILT TEST\* 43.0 BRUNTON TILT\* 43  
 2 PROBE TILT TEST\* 90.4 BRUNTON TILT\* 91 *cc 3/13/08*  
 3 PROBE TILT TEST\* 51.82 BRUNTON TILT\* 323 52 AFTER LOG\* yes  
 1 PROBE AZIMUTH TEST\* 329.4 BRUNTON AZIMUTH\* 325  
 2 PROBE AZIMUTH TEST\* 67.8 BRUNTON AZIMUTH\* 68  
 3 PROBE AZIMUTH TEST\* 5243.1 BRUNTON AZIMUTH\* 49 AFTER LOG\* yes  
*cc 3/13/08*

PROBE OFFSET*	1.44M(4.72FT)
MINUS CASING STICK-UP*	<u>1.25</u> <u>13.5</u>
DEPTH REF. OFFSET AT START*	<u>3.47</u> <u>1.27</u> REF TO GROUND SURFACE
DEPTH REF. OFFSET AT END*	<u>3.39</u> <u>1.13</u>
AFTER SURVEY DEPTH ERROR*	<u>.08</u> <u>.09</u>

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B708DH4UUP02	<u>251.3 ft</u>	<u>3:32</u>	<u>94.9 ft</u>	<u>3:40</u>
B708DH4UUP03	<u>118.4 ft</u>	<u>4:12</u>	<u>97.4 ft</u>	<u>4:20</u>

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: Pulled casing to 98.5' for B708DH4UUP03

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



B-710GDH BORING GEOPHYSICS FIELD LOG SUMMARY

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/11/08, 3/18/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: 1 OF 1

CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_

BOREHOLE CONSTRUCTION: CASED \_\_\_\_\_ UNCASD X  
 DIAMETERS AND DEPTH RANGES: 6" 0 TO 19.5'; 4" 17.5 TO 143ft / 273ft  
 BOREHOLE TOTAL DEPTH AS DRILLED\*: 143 / 273 ft  
 CONDUCTOR CASING?: YES X DEPTH TO BOTTOM OF CASING: 12.5 / 115'; NO \_\_\_\_\_  
 DEPTH TO BEDROCK: ~ 3 ft  
 BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD X; SALT WATER MUD \_\_\_\_\_;

LOGGING CREW: C. Carter

\* On 3/19/08 a "G" was added to all digit file names that did not originally have one

LOG TYPE*	FILE NAME*	DEPTH RANGE*	DATE*	TIMES*
* ELOG	B710GDHELOGTEST01		3/11/08	11:47 - 11:48 am
* ELOG	B710GDHELOGUP01	140.6 - 384.5 ft	3/11/08	12:34 pm - 12:45 pm
* P-S velocity	B710GDHSUSPDOWN01	21.33 - 127.95 ft	3/11/08	1:27 - 2:05 pm
* ATV	B710GDHAUUP01	120.5 - 17.1 ft	3/11/08	3:06 - 3:38 pm
* Caliper	B710GDHICALTEST01		3/11/08	4:12 - 4:13 pm
* Caliper	B710GDHICALUP01	132.35 - 13.4 ft	3/11/08	4:26 - 4:39 pm
* Caliper	B710GDHICALTEST02		3/11/08	4:46 - 4:47 pm
* ELOG	B710GDHELOGTEST02		3/18/08	10:04 - 10:05 am
* ELOG	B710GDHELOGUP02	270.6 - 94.8 ft	3/18/08	10:29 - 10:49 am
* P-S velocity	B710GDHSUSPDOWN02	124.4 - 252.6'	3/18/08	12:19 - 1:02 pm
* Deviation	B710GDHAUUP02	253.7 - 102.2 ft	3/18/08	2:08 - 2:16 pm
* Caliper	B710GDHICALTEST03		3/18/08	2:40 - 2:42 pm
* Caliper	B710GDHICALUP02	257.95 - 108.6 ft	3/18/08	2:59 - 3:15 pm
* Caliper	B710GDHICALTEST04		3/18/08	3:29 - 3:31 pm

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



ELOG FIELD LOG REV 1.1a



*B-7106DH 3/18/08 cc 7/24/08*  
*B-7106DH* ELOG FIELD LOG

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
CONTACT: \_\_\_\_\_ PHONE: Off Cell  
COMPANY: \_\_\_\_\_

GENERAL SITE CONDITIONS/LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
BOREHOLE CONSTRUCTION: CASED UNCASED   
DIAMETERS AND DEPTH RANGES: 6" 0 TO 20'; 4" 20' TO 143 ft

BOREHOLE TOTAL DEPTH AS DRILLED\*: 143 ft

SURFACE CASING?: YES  DEPTH TO BOTTOM OF CASING 19.5'; NO \_\_\_\_\_  
DEPTH TO BEDROCK: 13.5 ft DEPTH TO WATER TABLE: 0  
BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD, ; SALT WATER MUD \_\_\_\_\_  
OTHER: \_\_\_\_\_  
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 12 pm

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE: \_\_\_\_\_  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 9:45 am  
ARRIVED ON SITE: 10 am  
STANDBY TIME: \_\_\_\_\_ CAUSE: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.

ELOG FIELD LOG REV 1.1a



B-710601 cc 3/18/08  
~~B-710601~~ ELOG FIELD LOG  
 Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO RG OTHER  
 MICROLOGGER\* 5310  5772  OTHER  
 ELOG PROBE\* 5490  OTHER  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG

PROBE LENGTH	2.50M(8.20 FT)	
PLUS YOKE 10.0M (32.8 FT)*	32.8	
MINUS CASING STICK-UP*	- .92	
DEPTH REF. OFFSET AT START*	40.08	} REF TO GROUND SURFACE
DEPTH REF. OFFSET AT END*	40.00	
AFTER SURVEY DEPTH ERROR*	.08	

cc 3/19/08

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
<del>B710601HELOGTEST01</del>		<del>11:47</del>		<del>11:48 am</del>
<del>B710601HELOGUP01</del>	<del>140.6 ft</del>	<del>12:34 pm</del>	<del>38.45 ft</del>	<del>12:45 pm</del>
B710601HELOGTEST01		11:47 am		11:48 am
B710601HELOGUP01	140.6 ft	12:34 pm	38.45 ft	12:45 pm

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

P-S FIELD LOG REV 1.31a



B-7106DH ca 3/11/08  
B-7106H

**P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a**

Borehole

SITE*:	Turkey Point NPP	DATE*:	3/11/08
CLIENT*:	MACTEC	JOB*:	8083
AUTHOR*:	C. Carter	PAGE 1 OF *:	4

CONTACT:	PHONE: Off	Cell
CONTACT:	PHONE: Off	Cell
CONTACT:	PHONE: Off	Cell
CONTACT:	PHONE: Off	Cell

DIRECTIONS TO SITE:

GENERAL SITE CONDITIONS/LOCATION:

COUNTY: Miami-Dade RANGE: \_\_\_\_\_ TOWNSHIP: \_\_\_\_\_ SECTION: \_\_\_\_\_  
 BOREHOLE CONSTRUCTION\*: CASED \_\_\_\_\_ UNCASD   
 DIAMETERS AND DEPTH RANGES\*: 6" 0 TO 20 ft ; 4" 20 TO 143  
 BOREHOLE TOTAL DEPTH AS DRILLED\*: 143 ft  
 SURFACE CASING?:  DEPTH TO BOTTOM OF CASING 19.5 ft, NO  
 DEPTH TO BEDROCK: ~3 DEPTH TO WATER TABLE: 0  
 BOREHOLE FLUID: WATER \_\_\_\_\_; FRESH WATER MUD ; SALT WATER MUD; \_\_\_\_\_  
 OTHER: \_\_\_\_\_  
 DEPTH TO BOREHOLE FLUID\*: 0 TIME SINCE LAST CIRCULATION: 12 pm

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL.  
GEOVision Geophysical Services 1155 Pomona Road, Suite P, Corona, CA 92602 (951) 549-1234 Fx (951) 549-1236

P-S FIELD LOG REV V1.31a



B-710GDH  
 B-710DH

P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF \* 4

LOGGING CREW\*: C. Carter cc 3/11/08  
 MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 9:45am  
 ARRIVED ON SITE: 10am  
 STANDBY TIME: CAUSE:  
 LOGGING STARTED: LOGGING COMPLETED:

BATTERIES CHANGED BEFORE LOGGING: YES  ; NO  ; STORED WITH NEW

WINCH COMPROBE  GREY  OYO  RG  OTH   
 INSTRUMENT\* OYO 12004  15014  19029  RG 160023  160024   
 RECEIVER S/N\* 12008  20042  26066  11001  23053  30086   
 ISOLATION TUBE S/N\* 300083  24053  28068  28072  2M  
 SHEAVE\* COMPROBE  OYO 101  102  103  RG   
 MICROLOGGER\* 5310  5772  NOT APPLICABLE (OYO)   
 PROBE OFFSET\* OYO 2.0M  RG 2.5M   
 MINUS CASING STICK-UP\* -.28  
 DEPTH REF. OFFSET AT START\* 2.22  
 DEPTH REF. OFFSET AT END\* 2.21  
 AFTER SURVEY DEPTH ERROR\* .01  
 REF TO GROUND SURFACE

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
<del>B-710DH SUSP DOWN 01</del>	<del>21.33</del>	<del>1:27 pm</del>	<del>127.95 ft</del>	<del>2:05 pm</del>
B-710GDH SUSP DOWN 01	21.33 ft	1:27 pm	127.95 ft	2:05 pm

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES:  
 COMMENTS:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

GEOVision Geophysical Services 1151 Pomona Road, Suite P, Corona, CA 92626 (951) 549-1234 Fx (951) 549-1236

B-710GDH cc 3/11/08  
~~B-710GDH~~

P-S FIELD LOG REV V1.31a

**GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\* 3 OF 4

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*.	FILTERED FILE NO* (if any)	COMMENTS CASING, WATER, ROCK, ETC
0.5	1.64			
1.0	3.28			
1.5	4.92			
2.0	6.56			
2.5	8.20			
3.0	9.84			
3.5	11.48			
4.0	13.12			
4.5	14.76			
5.0	16.40			
5.5	18.04			
6.0	19.69			
6.5	21.33	001		6.27
7.0	22.97	2 cc 3/11/08		
7.5	24.61	3		
8.0	26.25	4		
8.5	27.89	5		
9.0	29.53	6		
9.5	31.17	7		
10.0	32.81	8		
10.5	34.45	9		
11.0	36.09	10		
11.5	37.73	11		
12.0	39.37	12		
12.5	41.01	13		
13.0	42.65	14		
13.5	44.29	15		
14.0	45.93	16		
14.5	47.57	17		
15.0	49.21	18		
15.5	50.85	19		
16.0	52.49	20		
16.5	54.13	21		
17.0	55.77	22		
17.5	57.41	23		
18.0	59.06	24		
18.5	60.70	25		
19.0	62.34	26		
19.5	63.98	27		
20.0	65.62	28		
20.5	67.26	29		

B-7106DH cc 3/11/08  
 B-7106DH

P-S FIELD LOG REV V1.31a

**GEOVISION SUSPENSION LOGGING FIELD NOTES**

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE\*: 4 OF 14

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO*	FILTERED FILE NO* (if any)	COMMENTS CASING, WATER, ROCK, ETC
21.0	68.90	30		
21.5	70.54	31		
22.0	72.18	32		
22.5	73.82	33		
23.0	75.46	34		
23.5	77.10	35		
24.0	78.74	36		
24.5	80.38	37		
25.0	82.02	38		
25.5	83.66	39		
26.0	85.30	40		
26.5	86.94	41		
27.0	88.58	42		
27.5	90.22	43		
28.0	91.86	44		
28.5	93.50	45		
29.0	95.14	46		
29.5	96.78	47		
30.0	98.43	48		
30.5	100.07	49		
31.0	101.71	50		
31.5	103.35	51		
32.0	104.99	52		
32.5	106.63	53		
33.0	108.27	54		
33.5	109.91	55		
34.0	111.55	56		
34.5	113.19	57		
35.0	114.83	58		
35.5	116.47	59		
36.0	118.11	60		
36.5	119.75	61		
37.0	121.39	62		
37.5	123.03	63		
38.0	124.67	64		
38.5	126.31	65		
39.0	127.95	66		2.05
39.5	129.59			
40.0	131.23			
40.5	132.87			
41.0	134.51			

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-710GDH cc 3/18/08

~~B-710GDH~~ ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/16/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE 1 OF 2

CONTACT: PHONE: Off Cell

CONTACT: PHONE: Off Cell

CONTACT: PHONE: Off Cell

DRILLER PHONE: Off Cell  
COMPANY:

GENERAL SITE CONDITIONS/LOCATION:

COUNTY: Miami-Dade RANGE: TOWNSHIP: SECTION:  
BOREHOLE CONSTRUCTION: CASED UNCASED  
DIAMETERS AND DEPTH RANGES: 6" 0 TO 19.5' ; 4" 19.5' TO 143'

BOREHOLE TOTAL DEPTH AS DRILLED\*: 143'

SURFACE CASING?: YES  DEPTH TO BOTTOM OF CASING 19.5' ; NO   
DEPTH TO BEDROCK: ~3' DEPTH TO WATER TABLE: 0  
BOREHOLE FLUID: WATER ; FRESH WATER MUD  ; SALT WATER MUD ;

OTHER:  
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 12 pm

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE:  
MOBILIZED FROM: Florida City DEPARTURE TIME: 9:45 am  
ARRIVED ON SITE: 10 am  
STANDBY TIME: CAUSE:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



geophysical services

R-710GDH 3/18/08  
~~B-710DH~~

ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO OTHER  
 MICROLOGGER\* 5310 5772   
 TELEVIEWER\* ACOUSTIC #5174  OTHER  
 SHEAVE\* COMPROBE OYO 101 102  103 RG

- 1 PROBE TILT TEST\* 41.88 BRUNTON TILT\* 42
- 2 PROBE TILT TEST\* 88.51 BRUNTON TILT\* 88
- 3 PROBE TILT TEST\* 28.80 BRUNTON TILT\* 29 AFTER LOG\* yes
- 1 PROBE AZIMUTH TEST\* 189.2 BRUNTON AZIMUTH\* 186
- 2 PROBE AZIMUTH TEST\* 284.9 BRUNTON AZIMUTH\* 290
- 3 PROBE AZIMUTH TEST\* 252.7 BRUNTON AZIMUTH\* 245 AFTER LOG\* yes

PROBE OFFSET*	1.44M(4.72FT)	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	.92	
DEPTH REF. OFFSET AT START*	3.8	
DEPTH REF. OFFSET AT END*	3.74	
AFTER SURVEY DEPTH ERROR*	.06	

cc 3/19/08

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
<del>B710DH4VUP01</del>	<del>110.5 ft</del>	<del>3:06</del>	<del>17.1 ft</del>	<del>3:38 pm</del>
B710GDH4VUP01	120.5 ft	3:06 pm	17.1 ft	3:38 pm

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

GEOVision Geophysical Services 1151 Pomona Road, Unit P, Corona, CA 92882 Ph (951) 549-1234 Ex (951) 549-1236





B-710 CDH cc 3/11/08  
B-110 CDH CALIPER FIELD LOG

Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
CLIENT\*: MACTEC JOB\*: 8083  
AUTHOR\*: C. Carter PAGE: 1 OF 2

CONTACT: PHONE: Off Cell

CONTACT: PHONE: Off Cell

CONTACT: PHONE: Off Cell

DRILLER PHONE: Off Cell  
COMPANY:

GENERAL SITE CONDITIONS/LOCATION:

COUNTY: RANGE: TOWNSHIP: SECTION:  
BOREHOLE CONSTRUCTION: CASED UNCASED X  
DIAMETERS AND DEPTH RANGES: 6" 0 TO 19.5 ; 4" 19.5 TO 143

BOREHOLE TOTAL DEPTH AS DRILLED\*: 143 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 19.5'; NO  
DEPTH TO BEDROCK: 3.6ft DEPTH TO WATER TABLE:  
BOREHOLE FLUID: WATER; FRESH WATER MUD; SALT WATER MUD  
OTHER:  
DEPTH TO BOREHOLE FLUID: 6 TIME SINCE LAST CIRCULATION: 12 pm

LOGGING CREW: C. Carter  
VEHICLE(S) USED AND MILEAGE:  
MOBILIZED FROM: Florida City, FL DEPARTURE TIME: 9:45 am  
ARRIVED ON SITE: 10 am  
STANDBY TIME: CAUSE:

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

CALIPER FIELD LOG REV 1.1a)PDF



R-710GDH cc 3/18/08  
~~B-710DH~~ CALIPER FIELD LOG  
 Borehole\*

SITE\*: Turkey Point NPP DATE\*: 3/11/08  
 CLIENT\*: MACTEC JOB\*: 8083  
 AUTHOR\*: C. Carter PAGE: PAGE 2 OF 2

WINCH: COMPROBE SILVER  OYO \_\_\_\_\_ RG \_\_\_\_\_ OTHER \_\_\_\_\_  
 MICROLOGGER\* 5310  5772  OTHER \_\_\_\_\_  
 CALIPER PROBE\* 5368  OTHER \_\_\_\_\_  
 SHEAVE\* COMPROBE  OYO 10'  10'  10' \_\_\_\_\_ RG

PROBE OFFSET	2.08M(6.82 FT)	12 IN MAX
MINUS CASING STICK-UP*	.92	} REF TO GROUND SURFACE
DEPTH REF. OFFSET AT START*	5.9	
DEPTH REF. OFFSET AT END*	5.85	
AFTER SURVEY DEPTH ERROR*	.05	

cc  
 3/19/08

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
<del>B710DHCALTEST01</del>	<del>/</del>	<del>4:12</del>	<del>/</del>	<del>4:13</del>
<del>B710DHCALUP01</del>	132.35 ft	4:26 pm	13.4 ft	4:39 pm
<del>B710DHCALTEST02</del>	<del>/</del>	<del>4:46 pm</del>	<del>/</del>	<del>4:47 pm</del>
B710GDHCALTEST01		4:12		4:13 pm
B710GDHCALUP01	132.35 ft	4:26 pm	13.4 ft	4:39 pm
B710GDHCALTEST02		4:46 pm		4:47 pm

CALIBRATION PLATE S/N 201

FILE NAME	AS BUILT			PVC FITTING
	1.968 IN (50 MM)	3.937 IN (100 MM)	8.000 IN (203.2 MM)	4.607 IN (114.3 MM)
AS MEAS.* <del>B710DHCALTEST01</del>	<del>1.968</del>	<del>3.912</del>	<del>8.000</del>	<del>4.517</del>
AS MEAS.* <del>B710DHCALTEST02</del>	<del>1.983</del>	<del>3.953</del>	<del>8.03</del>	<del>4.517</del>
AS MEAS.				
AS MEAS. B710GDHCALTEST01	1.968	3.912	8.000	4.517
AS MEAS. B710GDHCALTEST02	1.983	3.953	8.03	4.517
AS MEAS.				

cc 4.510 3/19/08

} cc 3/19/08

MAINTENANCE PERFORMED ON SITE\*: N/A (N/A if none)

EQUIPMENT PROBLEMS OR FAILURES\*: N/A (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: \_\_\_\_\_

ITEMS WITH \* MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL