



3-3170A0 CALIPER FIELD LOG

Borehole*

SITE*: Exelon Victoria COL DATE*: 2/21/09
CLIENT*: MACTEC JOB*: 9054
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
DIAMETERS AND DEPTH RANGES: 5" 0 TO 315 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 315 ft

SURFACE CASING?: YES DEPTH TO BOTTOM OF CASING 3 ft; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: ~50 ft
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ; SALT WATER MUD _____;
OTHER: _____
DEPTH TO BOREHOLE FLUID: 2 ft TIME SINCE LAST CIRCULATION: 3 pm

LOGGING CREW: C. Carter
VEHICLE(S) USED AND MILEAGE: _____
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 12:30 pm
ARRIVED ON SITE: 1 pm
STANDBY TIME: _____ CAUSE: _____

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

CALIPER FIELD LOG REV 1.1a.PDF



B-3170AD Borehole* CALIPER FIELD LOG

SITE*: Exelon Victoria COL DATE*: 2/21/09
 CLIENT*: MACTEC JOB*: 9019
 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)	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	1.64	
DEPTH REF. OFFSET AT START*	5.19	
DEPTH REF. OFFSET AT END*	5.15	
AFTER SURVEY DEPTH ERROR*	.03	

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
B3170ADOCALTEST01		7:38		7:40 pm
B3170ADOCALUP01	310.45 Ft	8:00	4.95 Ft	8:29 pm
B3170ADOCALTEST02		8:37		8:40 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)	4.510 IN (114.3 MM)
AS MEAS.* B3170ADOCALTEST01	1.98	3.93	7.97	4.47
AS MEAS.* B3170ADOCALTEST02	1.96	3.94	7.95	4.49
AS MEAS.				
AS MEAS.				
AS MEAS.				
AS MEAS.				

cc 2/21/09
4.504

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

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-3170A0 ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole*
SITE*: Exelon Victoria_COL DATE*: 2/21/09
CLIENT*: MACTEC JOB*: 9054
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 _____ UNCASSED
DIAMETERS AND DEPTH RANGES: 5" 0 TO 315 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 315 ft

SURFACE CASING?: YES DEPTH TO BOTTOM OF CASING 3 ft; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 3 ft
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ; SALT WATER MUD _____

OTHER: _____
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 3 pm

LOGGING CREW: C. Carter
VEHICLE(S) USED AND MILEAGE: _____
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 12:30 pm
ARRIVED ON SITE: 1 pm
STANDBY TIME: _____ CAUSE: _____

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-3170AD ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a

Borehole*

SITE*: Exelon Victoria_COL DATE*: 2/21/09
 CLIENT*: MACTEC JOB*: 9054
 AUTHOR*: C. Carter PAGE 2 OF 2

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

PROBE TILT TEST* 90.08 BRUNTON TILT* 90
 PROBE TILT TEST* 19.28 BRUNTON TILT* 19
 PROBE TILT TEST* BRUNTON TILT* AFTER LOG*
 PROBE AZIMUTH TEST* 302.2 BRUNTON AZIMUTH* 295
 PROBE AZIMUTH TEST* 205.70 BRUNTON AZIMUTH* 200
 PROBE AZIMUTH TEST* BRUNTON AZIMUTH* AFTER LOG*

PROBE OFFSET*	1.44M(4.72FT)	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	<u>1.64</u>	
DEPTH REF. OFFSET AT START*	<u>3.08</u>	
DEPTH REF. OFFSET AT END*	<u>2.87</u>	
AFTER SURVEY DEPTH ERROR*	<u>.14</u>	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
<u>B3170ADADVP01</u>	<u>314.0</u>	<u>9:13 pm</u>	<u>218 ft</u>	<u>9:32 pm</u>

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

BORING SUMMARY LOG REV 1.1a.pdf



B-3185A0 BORING GEOPHYSICS FIELD LOG SUMMARY
Borehole*

SITE*: Exelon Victoria COL
CLIENT*: MACTEC
AUTHOR*: C. Carter
CONTACT: Daniel Atkinson
DATE*: 2/18/09, 2/19/09
JOB*: 9054
PAGE*: 1 OF 1
PHONE: 901 231-7910
BOREHOLE CONSTRUCTION: CASED _____ UNCASED X
DIAMETERS AND DEPTH RANGES: 6" 0 TO 265 ft ; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED*: 265 ft
SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 3.5 ft ; NO _____
DEPTH TO BEDROCK: NA
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____
LOGGING CREW: C. Carter

LOG TYPE*	FILE NAME*	DEPTH RANGE*	DATE*	TIMES*
ELOG	B3185A0ELOGTEST01		2/18/09	3:12-3:13 pm
ELOG	B3185A0ELOGUP01	265.7-84.85 ft	2/18/09	7:16-7:35 pm
ELOG	B3185A0ELOGUP03	122.45-38.2 ft	2/18/09	8:11-8:20 pm
P-S Velocity	B3185A0SUSP001	2.5-76.5 m	2/18/09	8:50-10:06 pm
Caliper	B3185A0CALTEST01		2/18/09	10:50-10:52 pm
Caliper	B3185A0CALUP01	258.3-1.9 ft	2/18/09	11:12-11:36 pm
Caliper	B3185A0CALTEST02		2/18/09	11:44-11:46 pm
Deviation	B3185A0AUUP01	254.7-2.1 ft	2/19/09	12:19-12:35 am

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

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

ELOG FIELD LOG REV 1.1a



B-3185A0

Borehole*

ELOG FIELD LOG

SITE*: Exelon Victoria COL DATE*: 2/18/09
 CLIENT*: MACTEC JOB*: 9054
 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: _____ RANGE: _____ TOWNSHIP: _____ SECTION: _____
 BOREHOLE CONSTRUCTION: CASED _____ UNCASD
 DIAMETERS AND DEPTH RANGES: 6" 0 TO 265 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 265 ft

SURFACE CASING?: YES DEPTH TO BOTTOM OF CASING 3.5 ft NO _____
 DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
 BOREHOLE FLUID: WATER _____; FRESH WATER MUD ; SALT WATER MUD _____
 OTHER: _____

DEPTH TO BOREHOLE FLUID: ~1 ft TIME SINCE LAST CIRCULATION: 6pm

LOGGING CREW: C. Carter
 VEHICLE(S) USED AND MILEAGE: _____
 MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 6:30am
 ARRIVED ON SITE: 7:00 am
 STANDBY TIME: 12pm - 6pm CAUSE: Waiting for hole completion

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ELOG FIELD LOG REV 1.1a



B-3185A0 ELOG FIELD LOG
Borehole*

SITE*: Exelon Victoria COL DATE*: 2/18/09
CLIENT*: MACTEC JOB*: 9054
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*	-3.08
DEPTH REF. OFFSET AT START*	37.92
DEPTH REF. OFFSET AT END*	37.95
AFTER SURVEY DEPTH ERROR*	.03

REF TO GROUND SURFACE

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B3185A0 ELOG TEST 01		3:12 pm		3:43 pm
B3185A0 ELOG UP01	265.7 ft	7:16 pm	84.85 ft	7:35 pm
B3185A0 ELOG UP03	122.45 ft	8:11 pm	38.2 ft	8:20 pm

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

EQUIPMENT PROBLEMS OR FAILURES*: Drilling fluid got under electrical tape on top portion of probe which caused bad data from 95' - 85' on file # ELOG UP01. (N/A if none)

SUGGESTIONS, ADDITIONS, CHANGES: B3185A0 ELOG UP03 was run after the probe was re-taped.

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

P-S FIELD LOG REV V1.31a



R-318510 P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole
SITE*: Exelon Victoria COL DATE*: 2/18/09
CLIENT*: MACTEC JOB*: 9054
AUTHOR*: C. Carter PAGE 1 OF * 6

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

DIRECTIONS TO SITE: _____

GENERAL SITE CONDITIONS/LOCATION: _____

COUNTY: _____ RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION*: CASED _____ UNCASD X
DIAMETERS AND DEPTH RANGES*: 6 " 0 TO 265 ft; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED*: 265 ft
SURFACE CASING?: yes DEPTH TO BOTTOM OF CASING 3.5 ft; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD: _____
OTHER: _____
DEPTH TO BOREHOLE FLUID*: 2 ft TIME SINCE LAST CIRCULATION: 6pm

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

P-S FIELD LOG REV V1.31a



B-3185AD P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole*
SITE*: Exelon Victoria COL DATE*: 2/18/09
CLIENT*: MACTEC JOB*: 9054
AUTHOR*: C. Carter PAGE 2 OF * 6

LOGGING CREW*: C. Carter
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: _____
ARRIVED ON SITE: _____
STANDBY TIME: 12pm - 6pm CAUSE: Drillers completing hole
LOGGING STARTED: 8:50pm LOGGING COMPLETED: 10:06pm

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* 0.4 m
DEPTH REF. OFFSET AT START* 1.56
DEPTH REF. OFFSET AT END* 1.56 } REF TO GROUND SURFACE
AFTER SURVEY DEPTH ERROR* .06

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
<u>B-3185AD SUSPDOWNJ01</u>	<u>2.5m</u>	<u>8:50pm</u>	<u>76.5m</u>	<u>10:06pm</u>

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 92882 (951) 549-1234 Fx (951) 549-1236

B-318510 **GEOVISION SUSPENSION LOGGING FIELD NOTES** P-S FIELD LOG REV VI.31a
 SITE*: Exelon Victoria COL DATE*: 2/18/09
 CLIENT*: MACTEC JOB*: 9054
 AUTHOR*: C. Carter PAGE* 3 OF 6
 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	001		
3.0	9.84	2		8:50 pm
3.5	11.48	3		
4.0	13.12	4		
4.5	14.76	5		
5.0	16.40	6		
5.5	18.04	7		
6.0	19.69	8		
6.5	21.33	9		
7.0	22.97	10		
7.5	24.61	11		
8.0	26.25	12		
8.5	27.89	13		
9.0	29.53	14		
9.5	31.17	15		
10.0	32.81	16		
10.5	34.45	17		
11.0	36.09	18		
11.5	37.73	19		
12.0	39.37	20		
12.5	41.01	21		
13.0	42.65	22		
13.5	44.29	23		
14.0	45.93	24		
14.5	47.57	25		
15.0	49.21	26		
15.5	50.85	27		
16.0	52.49	28		
16.5	54.13	29		
17.0	55.77	30		
17.5	57.41	31		
18.0	59.06	32		
18.5	60.70	33		
19.0	62.34	34		
19.5	63.98	35		
20.0	65.62	36		

B-3185A0

GEOVISION SUSPENSION LOGGING FIELD NOTES

P-S FIELD LOG REV V1.31a

SITE*: Exelon Victoria COL
 CLIENT*: MACTEC
 AUTHOR*: C. Carter
 DATE*: 2/18/09
 JOB*: 9054
 PAGE* 4 OF 6

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
20.5	67.26	37		
21.0	68.90	37		
21.5	70.54	39		
22.0	72.18	40		
22.5	73.82	41		
23.0	75.46	42		
23.5	77.10	43		
24.0	78.74	44		
24.5	80.38	45		
25.0	82.02	46		
25.5	83.66	47		
26.0	85.30	48		
26.5	86.94	49		
27.0	88.58	50		
27.5	90.22	51		
28.0	91.86	52		
28.5	93.50	53		
29.0	95.14	54		
29.5	96.78	55		
30.0	98.43	56		
30.5	100.07	57		
31.0	101.71	58		
31.5	103.35	59		
32.0	104.99	60		
32.5	106.63	61		
33.0	108.27	62		
33.5	109.91	63		
34.0	111.55	64		
34.5	113.19	65		
35.0	114.83	66		
35.5	116.47	67		
36.0	118.11	68		
36.5	119.75	69		
37.0	121.39	70		
37.5	123.03	71		
38.0	124.67	72		
38.5	126.31	73		
39.0	127.95	74		
39.5	129.59	75		
40.0	131.23	76		

8-3185AD

GEOVISION SUSPENSION LOGGING FIELD NOTES

P-S FIELD LOG REV V1.31a

SITE*: Exelon Victoria COL _____ DATE*: 2/18/09
 CLIENT*: MACTEC _____ JOB*: 9054
 AUTHOR*: C. Carter _____ PAGE* 5 OF 6

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
40.5	132.87	77		
41.0	134.51	78		
41.5	136.15	79		
42.0	137.80	80		
42.5	139.44	81		
43.0	141.08	82		
43.5	142.72	83		
44.0	144.36	84		
44.5	146.00	85		
45.0	147.64	86		
45.5	149.28	87		
46.0	150.92	88		
46.5	152.56	89		
47.0	154.20	90		
47.5	155.84	91		
48.0	157.48	92		
48.5	159.12	93		
49.0	160.76	94		
49.5	162.40	95		
50.0	164.04	96		
50.5	165.68	97		
51.0	167.32	98		
51.5	168.96	99		
52.0	170.60	100		
52.5	172.24	101		
53.0	173.88	102		
53.5	175.52	103		
54.0	177.17	104		
54.5	178.81	105		
55.0	180.45	106		
55.5	182.09	107		
56.0	183.73	108		
56.5	185.37	109		
57.0	187.01	110		
57.5	188.65	111		
58.0	190.29	112		
58.5	191.93	113		
59.0	193.57	114		
59.5	195.21	115		
60.0	196.85	116		

B-3185 A b

GEOVISION SUSPENSION LOGGING FIELD NOTES

P-S FIELD LOG REV V1.31a

SITE*: Exelon Victoria COL

DATE*: 2/18/09

CLIENT*: MACTEC

JOB*: 9054

AUTHOR*: C. Carter

PAGE* 6 OF 6

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
60.5	198.49	117		
61.0	200.13	118		
61.5	201.77	119		
62.0	203.41	120		
62.5	205.05	121		
63.0	206.69	122		
63.5	208.33	123		
64.0	209.97	124		
64.5	211.61	125		
65.0	213.25	126		
65.5	214.90	127		
66.0	216.54	128		
66.5	218.18	129		
67.0	219.82	130		
67.5	221.46	131		
68.0	223.10	132		
68.5	224.74	133		
69.0	226.38	134		
69.5	228.02	135		
70.0	229.66	136		
70.5	231.30	137		
71.0	232.94	138		
71.5	234.58	139		
72.0	236.22	140		
72.5	237.86	141		
73.0	239.50	142		
73.5	241.14	143		
74.0	242.78	144		
74.5	244.42	145		
75.0	246.06	146		
75.5	247.70	147		
76.0	249.34	148		
76.5	250.98	149		
77.0	252.62			10:06 pm
77.5	254.27			
78.0	255.91			
78.5	257.55			
79.0	259.19			
79.5	260.83			
80.0	262.47			



CALIPER FIELD LOG REV 1.1a.PDF

B-3185AD
Borehole*
CALIPER FIELD LOG

SITE*: Exelon Victoria COL
CLIENT*: MACTEC
AUTHOR*: C. Carter
DATE*: 2/18/09
JOB*: 9054
PAGE: 1 OF 2
CONTACT: _____ PHONE: Off Cell
CONTACT: _____ PHONE: Off Cell
CONTACT: _____ PHONE: Off Cell
DRILLER
COMPANY: _____ PHONE: Off Cell

GENERAL SITE CONDITIONS/LOCATION: _____

COUNTY: _____ RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASD X
DIAMETERS AND DEPTH RANGES: 6" 0 TO 265 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 265 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 3.5 ft; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____
OTHER: _____
DEPTH TO BOREHOLE FLUID: 5 ft TIME SINCE LAST CIRCULATION: 6pm

LOGGING CREW: C. Carter
VEHICLE(S) USED AND MILEAGE: _____
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 6:30am
ARRIVED ON SITE: 7am
STANDBY TIME: 12pm - 6pm CAUSE: Drillers completing hole

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

CALIPER FIELD LOG REV 1.1a.PDF



B-3185AD

CALIPER FIELD LOG

Borehole*

SITE*: Exelon Victoria COL DATE*: 2/18/09
 CLIENT*: MACTEC JOB*: 9019
 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*	3.08	} REF TO GROUND SURFACE
DEPTH REF. OFFSET AT START*	3.74	
DEPTH REF. OFFSET AT END*	3.80	
AFTER SURVEY DEPTH ERROR*	.06	

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
B3185ADCALTEST01		10:50 pm		10:52 pm
B3185ADCALUP01	258.3 ft	11:12 pm	1.9 ft	11:36 pm
B3185ADCALTEST02		11:44 pm		11:46 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)	4.510 IN (114.3 MM)
AS MEAS.* B3185ADCALTEST01	1.96	3.93	7.96	4.502
AS MEAS.* B3185ADCALTEST02	1.96	3.94	7.95	4.48
AS MEAS.				
AS MEAS.				
AS MEAS.				
AS MEAS.				

2/18/09
4.504"

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

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-3185A0 ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a
Borehole*

SITE*: Exelon Victoria COL DATE*: 2/19/09
CLIENT*: MACTEC JOB*: 9054
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 265 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 265 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 3.5 ft; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____
OTHER: _____
DEPTH TO BOREHOLE FLUID: 5 ft TIME SINCE LAST CIRCULATION: 6 pm 2/18

LOGGING CREW: C. Carter
VEHICLE(S) USED AND MILEAGE: _____
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 6:30 am (2/18)
ARRIVED ON SITE: 7 am
STANDBY TIME: 12 pm - 6 pm CAUSE: Drillers completing hole

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-3185A0 ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a
Borehole*

SITE*: Exelon Victoria COL DATE*: 2/19/09
CLIENT*: MACTEC JOB*: 9054
AUTHOR*: C. Carter PAGE 2 OF 2

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

PROBE TILT TEST* 90.7 BRUNTON TILT* 90
PROBE TILT TEST* 17.05 BRUNTON TILT* 17
PROBE TILT TEST* 12.7 BRUNTON TILT* 13 AFTER LOG* yes
PROBE AZIMUTH TEST* 193.6 BRUNTON AZIMUTH* 190
PROBE AZIMUTH TEST* 129.0 BRUNTON AZIMUTH* 135
PROBE AZIMUTH TEST* 194.10 BRUNTON AZIMUTH* 192 AFTER LOG* yes

PROBE OFFSET*	1.44M(4.72FT)	} REF TO GROUND SURFACE
MINUS CASING STICK-UP*	3.08	
DEPTH REF. OFFSET AT START*	1.64	
DEPTH REF. OFFSET AT END*	1.59	
AFTER SURVEY DEPTH ERROR*	.05	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
<u>B3185A010V001</u>	<u>254.75ft</u>	<u>12:19am</u>	<u>2.1ft</u>	<u>12:35pm</u>

2/19

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

BORING SUMMARY LOG REV 1.1a.pdf



B-327010 BORING GEOPHYSICS FIELD LOG SUMMARY
Borehole*

SITE*: Exelon Victoria COL
CLIENT*: MACTEC
AUTHOR*: C. Carter
DATE*: 2/20/09
JOB*: 9054
PAGE*: 1 OF 1
CONTACT: _____
PHONE: _____

BOREHOLE CONSTRUCTION: CASSED _____ UNCASSED
DIAMETERS AND DEPTH RANGES: 5" 0 TO 315 ft ; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED*: 315 ft.
SURFACE CASING?: YES DEPTH TO BOTTOM OF CASING 3.5 ft ; NO _____
DEPTH TO BEDROCK: N/A
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ; SALT WATER MUD _____

LOGGING CREW: C. Carter

LOG TYPE*	FILE NAME*	DEPTH RANGE*	DATE*	TIMES*
ELOG	B327010ELOGTEST01		2/20/09	1:09 - 1:11 pm
ELOG/gamma	B327010ELOGUP01	315.7-39.5ft	2/20/09	3:52 - 4:17 pm
P-S velocity	B327010SUSP001	2.0-92.0m	2/20/09	4:44 - 6:22 pm
Caliper	B327010CALTEST01		2/20/09	7:07 - 7:09 pm
Caliper/gamma	B327010CALUP01	312.3-4.9ft	2/20/09	7:38 - 8:07 pm
Caliper	B327010CALTEST02		2/20/09	8:14 - 8:16 pm
Deviation	B327010ALUP01	311.2-3.3ft	2/20/09	8:47 - 9:03 pm

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

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

ELOG FIELD LOG REV 1.1a



B-327040

ELOG FIELD LOG

Borehole*

SITE*: Exelon Victoria COL DATE*: 2/20/09
 CLIENT*: MACTEC JOB*: 9054
 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: _____ RANGE: _____ TOWNSHIP: _____ SECTION: _____

BOREHOLE CONSTRUCTION: CASED _____ UNCASD X
 DIAMETERS AND DEPTH RANGES: 5" 0 TO 315 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 315 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 3.5 ft; NO _____
 DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: ~50 ft

BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____
 OTHER: _____

DEPTH TO BOREHOLE FLUID: 6 TIME SINCE LAST CIRCULATION: 3pm

LOGGING CREW: C. Carter

VEHICLE(S) USED AND MILEAGE: _____

MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 12 pm

ARRIVED ON SITE: 12:30 pm

STANDBY TIME: _____ CAUSE: _____

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL



ELOG FIELD LOG REV 1.1a

B-3270AD ELOG FIELD LOG
Borehole*

SITE*: Exelon Victoria COL DATE*: 2/20/09
CLIENT*: MACTEC JOB*: 9054
AUTHOR*: C. Carter PAGE: PAGE 2 OF 2

WINCH: _____
MICROLOGGER* 5310 SILVER OYO _____ RG _____ OTHER _____
ELOG PROBE* 5490 5772 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*	1.33	
DEPTH REF. OFFSET AT START*	39.67	
DEPTH REF. OFFSET AT END*	39.60	
AFTER SURVEY DEPTH ERROR*	.07	

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
B3270A06L1675T01		1:09		
B3270A06L06UP01	315.74ft	3:52	39.5 ft	4:17pm

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-327040 P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a

Borehole

SITE*: Exelon Victoria COL DATE*: 2/20/09

CLIENT*: MACTEC JOB*: 9054

AUTHOR*: C. Carter PAGE 1 OF *

CONTACT: _____ PHONE: Off Cell _____

CONTACT: _____ PHONE: Off Cell _____

CONTACT: _____ PHONE: Off Cell _____

CONTACT: _____ PHONE: Off Cell _____

DIRECTIONS TO SITE: _____

GENERAL SITE CONDITIONS/LOCATION: _____

COUNTY: _____ RANGE: _____ TOWNSHIP: _____ SECTION: _____

BOREHOLE CONSTRUCTION*: CASED _____ UNCASD X

DIAMETERS AND DEPTH RANGES*: 5" 0 TO 315 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 315 ft

SURFACE CASING?: yes DEPTH TO BOTTOM OF CASING 3.5 ft; NO _____

DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: ~50 ft

BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD: _____

OTHER: _____

DEPTH TO BOREHOLE FLUID*: 1 ft TIME SINCE LAST CIRCULATION: 3pm

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

P-S FIELD LOG REV V1.31a



B-3270 AD Borehole* **P-S SUSPENSION VELOCITY FIELD LOG REV 1.31a**

SITE*: Exelon Victoria COL DATE*: 2/20/09
 CLIENT*: MACTEC JOB*: 9054
 AUTHOR*: C. Carter PAGE 2 OF * 7

LOGGING CREW*: C. Carter
 MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 12pm
 ARRIVED ON SITE: 12:30pm
 STANDBY TIME: _____ CAUSE: _____
 LOGGING STARTED: 4:44pm LOGGING COMPLETED: 6:22pm

BATTERIES CHANGED BEFORE LOGGING: YES _____; NO ; STORED WITH NEW _____
 WINCH _____
 INSTRUMENT* COMPROBE GREY OYO RG OTH _____
 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* _____ } REF TO GROUND SURFACE
 DEPTH REF. OFFSET AT START* .42
 DEPTH REF. OFFSET AT END* 2.08
 DEPTH REF. OFFSET AT END* 2.06
 AFTER SURVEY DEPTH ERROR* .02

LOG NAME*	START DEPTH*	START TIME	END DEPTH*	END TIME
<u>B3270AD SUSP DOWN 01</u>	<u>2.0m</u>	<u>4:44pm</u>	<u>92.0m</u>	<u>6:22pm</u>

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

8-327010 **GEOVISION SUSPENSION LOGGING FIELD NOTES** P-S FIELD LOG REV V1.31a

SITE*: Exelon Victoria COL DATE*: 2/20/09

CLIENT*: MACTEC JOB*: 9054

AUTHOR*: C. Carter PAGE* 3 OF 7

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	001		
2.5	8.20	2		4:44 pm
3.0	9.84	3		
3.5	11.48	4		
4.0	13.12	5		
4.5	14.76	6		
5.0	16.40	7		
5.5	18.04	8		
6.0	19.69	9		
6.5	21.33	10		
7.0	22.97	11		
7.5	24.61	12		
8.0	26.25	13		
8.5	27.89	14		
9.0	29.53	15		
9.5	31.17	16		
10.0	32.81	17		
10.5	34.45	18		
11.0	36.09	19		
11.5	37.73	20		
12.0	39.37	21		
12.5	41.01	22		
13.0	42.65	23		
13.5	44.29	24		
14.0	45.93	25		
14.5	47.57	26		
15.0	49.21	27		
15.5	50.85	28		
16.0	52.49	29		
16.5	54.13	30		
17.0	55.77	31		
17.5	57.41	32		
18.0	59.06	33		
18.5	60.70	34		
19.0	62.34	35		
19.5	63.98	36		
20.0	65.62	37		

B-3270A0

GEOVISION SUSPENSION LOGGING FIELD NOTES

P-S FIELD LOG REV V1.31a

SITE*: Exelon Victoria COL
 CLIENT*: MACTEC
 AUTHOR*: C. Carter
 DATE*: 2/20/09
 JOB*: 9054
 PAGE*: 4 OF 7

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
20.5	67.26	36		
21.0	68.90	39		
21.5	70.54	40		
22.0	72.18	41		
22.5	73.82	42		
23.0	75.46	43		
23.5	77.10	44		
24.0	78.74	45		
24.5	80.38	46		
25.0	82.02	47		
25.5	83.66	48		
26.0	85.30	49		
26.5	86.94	50		
27.0	88.58	51		
27.5	90.22	52		
28.0	91.86	53		
28.5	93.50	54		
29.0	95.14	55		
29.5	96.78	56		
30.0	98.43	57		
30.5	100.07	58		
31.0	101.71	59		
31.5	103.35	60		
32.0	104.99	61		
32.5	106.63	62		
33.0	108.27	63		
33.5	109.91	64		
34.0	111.55	65		
34.5	113.19	66		
35.0	114.83	67		
35.5	116.47	68		
36.0	118.11	69		
36.5	119.75	70		
37.0	121.39	71		
37.5	123.03	72		
38.0	124.67	73		
38.5	126.31	74		
39.0	127.95	75		
39.5	129.59	76		
40.0	131.23	77		

B-327040 **GEOVISION SUSPENSION LOGGING FIELD NOTES** P-S FIELD LOG REV V1.31a
 SITE*: Exelon Victoria COL DATE*: 2/20/09
 CLIENT*: MACTEC JOB*: 9054
 AUTHOR*: C. Carter PAGE* 5 OF 7
 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
40.5	132.87	78		
41.0	134.51	79		
41.5	136.15	80		
42.0	137.80	81		
42.5	139.44	82		
43.0	141.08	83		
43.5	142.72	84		
44.0	144.36	85		
44.5	146.00	86		
45.0	147.64	87		
45.5	149.28	88		
46.0	150.92	89		
46.5	152.56	90		
47.0	154.20	91		
47.5	155.84	92		
48.0	157.48	93		
48.5	159.12	94		
49.0	160.76	95		
49.5	162.40	96		
50.0	164.04	97		
50.5	165.68	98		
51.0	167.32	99		
51.5	168.96	100		
52.0	170.60	101		
52.5	172.24	102		
53.0	173.88	103		
53.5	175.52	104		
54.0	177.17	105		
54.5	178.81	106		
55.0	180.45	107		
55.5	182.09	108		
56.0	183.73	109		
56.5	185.37	110		
57.0	187.01	111		
57.5	188.65	112		
58.0	190.29	113		
58.5	191.93	114		
59.0	193.57	115		
59.5	195.21	116		
60.0	196.85	117		

3-3270A0 **GEOVISION SUSPENSION LOGGING FIELD NOTES** P-S FIELD LOG REV V1.31a
 SITE*: Exelon Victoria COL DATE*: 2/20/09
 CLIENT*: MACTEC JOB*: 9054
 AUTHOR*: C. Carter PAGE* 6 OF 7
 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
60.5	198.49	118		
61.0	200.13	119		
61.5	201.77	120		
62.0	203.41	121		
62.5	205.05	122		
63.0	206.69	123		
63.5	208.33	124		
64.0	209.97	125		
64.5	211.61	126		
65.0	213.25	127		
65.5	214.90	128		
66.0	216.54	129		
66.5	218.18	130		
67.0	219.82	131		
67.5	221.46	132		
68.0	223.10	133		
68.5	224.74	134		
69.0	226.38	135		
69.5	228.02	136		
70.0	229.66	137		
70.5	231.30	138		
71.0	232.94	139		
71.5	234.58	140		
72.0	236.22	141		
72.5	237.86	142		
73.0	239.50	143		
73.5	241.14	144		
74.0	242.78	145		
74.5	244.42	146		
75.0	246.06	147		
75.5	247.70	148		
76.0	249.34	149		
76.5	250.98	150		
77.0	252.62	151		
77.5	254.27	152		
78.0	255.91	153		
78.5	257.55	154		
79.0	259.19	155		
79.5	260.83	156		
80.0	262.47	157		

B-3270AD

GEOVISION SUSPENSION LOGGING FIELD NOTES

P-S FIELD LOG REV V1.31a

SITE*: Exelon Victoria COL DATE*: 2/20/09
 CLIENT*: MACTEC JOB*: 9054
 AUTHOR*: C. Carter PAGE* 7 OF 7

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
80.5	264.11	158		
81.0	265.75	159		
81.5	267.39	160		
82.0	269.03	161		
82.5	270.67	162		
83.0	272.31	163		
83.5	273.95	164		
84.0	275.59	165		
84.5	277.23	166		
85.0	278.87	167		
85.5	280.51	168		
86.0	282.15	169		
86.5	283.79	170		
87.0	285.43	171		
87.5	287.07	172		
88.0	288.71	173		
88.5	290.35	174		
89.0	291.99	175		
89.5	293.64	176		
90.0	295.28	177		
90.5	296.92	178		
91.0	298.56	179		
91.5	300.20	180		
92.0	301.84	181		
92.5	303.48			6:22pm
93.0	305.12			
93.5	306.76			
94.0	308.40			
94.5	310.04			
95.0	311.68			
95.5	313.32			
96.0	314.96			
96.5	316.60			
97.0	318.24			
97.5	319.88			
98.0	321.52			
98.5	323.16			
99.0	324.80			
99.5	326.44			
100.0	328.08			



CALIPER FIELD LOG REV 1.1a.PDF

B-3270 A0 CALIPER FIELD LOG
Borehole*

SITE*: Exelon Victoria COL DATE*: 2/20/09
CLIENT*: MACTEC JOB*: 9054
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: 5" 0 TO 315 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 315 ft

SURFACE CASING?: YES X DEPTH TO BOTTOM OF CASING 3.5 ft; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: ~50 ft
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____;
OTHER: _____
DEPTH TO BOREHOLE FLUID: ~5-10 ft TIME SINCE LAST CIRCULATION: 3pm

LOGGING CREW: C. Carter
VEHICLE(S) USED AND MILEAGE: _____
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 12pm
ARRIVED ON SITE: 12:30pm
STANDBY TIME: _____ CAUSE: _____

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL

CALIPER FIELD LOG REV 1.1a.PDF



B-3270AD

CALIPER FIELD LOG

Borehole*

SITE*: Exelon Victoria COL DATE*: 2/20/09
 CLIENT*: MACTEC JOB*: 9019
 AUTHOR*: C. Carter PAGE: PAGE 2 OF 2

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

PROBE OFFSET	2.08M(6.82 FT)	} 12 IN MAX REF TO GROUND SURFACE
MINUS CASING STICK-UP*	1.33	
DEPTH REF. OFFSET AT START*	5.49	
DEPTH REF. OFFSET AT END*	5.55	
AFTER SURVEY DEPTH ERROR*	.. 06	

LOG NAME*	START DEPTH*	START TIME*	END DEPTH*	END TIME*
B3270ADOCALTEST01		7:07pm		7:09pm
B3270ADOCALUP01	312.3 ft	7:38pm	4.9 ft	8:07pm
B3270ADOCALTEST02		8:14pm		8:16pm

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.* B3270ADOCALTEST01	1.97	3.91	7.99	4.502
AS MEAS.* B3270ADOCALTEST02	1.98	3.94	7.96	4.49
AS MEAS.				
AS MEAS.				
AS MEAS.				

cc 2/20/09
4.504

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 Fx (951) 549-1236

ACOUSTIC TELEVIEWER LOG COVER 1.0a.pdf



B-3270A0 ACOUSTIC TELEVIEWER FIELD LOG Rev 1.0a
Borehole*

SITE*: Exelon Victoria COL DATE*: 2/20/09
CLIENT*: MACTEC JOB*: 9054
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
DIAMETERS AND DEPTH RANGES: 5" 0 TO 315 ft; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED*: 315 ft

SURFACE CASING?: YES DEPTH TO BOTTOM OF CASING 3.5 ft; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: ~50 ft
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ; SALT WATER MUD _____
OTHER: _____
DEPTH TO BOREHOLE FLUID: 10 ft TIME SINCE LAST CIRCULATION: _____

LOGGING CREW: C. Carter
VEHICLE(S) USED AND MILEAGE: _____
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 12 pm
ARRIVED ON SITE: 12:30 pm
STANDBY TIME: _____ CAUSE: _____

ITEMS WITH * MUST BE COMPLETED. OTHER INFORMATION IS OPTIONAL