

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-12

DATE: 10/24/07

CLIENT: MACTEC

JOB: 7359 7501

AUTHOR: C. CARTER

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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20.5	67.26	37		
21.0	68.90	38		
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		

994

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-12

DATE: 10/24/07

CLIENT: MACTEC

JOB: 7359 7501

AUTHOR: C. CARTER

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-12
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: 10/24/07
JOB: 7359 7501
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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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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	150		
77.5	254.27	151		
78.0	255.91	152		
78.5	257.55	153		
79.0	259.19	154		
79.5	260.83	155		
80.0	262.47	156		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-12

DATE: 10/24/07

CLIENT: MACTEC

JOB: 7559 7561

AUTHOR: C. CARTER

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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80.5	264.11	157		
81.0	265.75	158		
81.5	267.39	159		
82.0	269.03	160		
82.5	270.67	161		
83.0	272.31	162		
83.5	273.95	163		
84.0	275.59	164		
84.5	277.23	165		
85.0	278.87	166		
85.5	280.51	167		
86.0	282.15	168		
86.5	283.79	169		
87.0	285.43	170		
87.5	287.07	171		
88.0	288.71	172		
88.5	290.35	173		
89.0	291.99	174		
89.5	293.64	175		
90.0	295.28	176		90.22 hit bottom 2:30pm
90.5	296.92			
91.0	298.56			
91.5	300.20			
92.0	301.84			
92.5	303.48			
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			



B2462A BORING GEOPHYSICS FIELD LOG SUMMARY

DATE: 11/14/07

JOB: 7501

PAGE 1 OF 1

PHONE: 361-972-0198

BOREHOLE CONSTRUCTION: CASED UNCASED ☒

DIAMETERS AND DEPTH RANGES: 5" 0 TO 210ft ; TO

BOREHOLE TOTAL DEPTH AS DRILLED: 210 ft

CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO ☒ X

DEPTH TO BEDROCK: *NA*

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

LOGGING CREW: C. Carter

[illegible]



B21621 offset ELOG FIELD LOG

SITE: EXELON VICTORIA DATE: 11/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 1 OF 2

CONTACT: STEVE CRISENZO OFFICE PHONE: 361-972-0198
CELL PHONE: 919-949-1707
CONTACT: OFFICE PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
PHONE:
DRILLER: PHONE:
COMPANY: PHONE:

GENERAL SITE CONDITIONS/LOCATION: _____

BOREHOLE DESIGNATION: B21621 offset LOCATION: Unit 1

COUNTY: VICTORIA RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASD X
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210 ft; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED: 210 ft
CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO X
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____
OTHER: _____
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 11:30am

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 8:30am
ARRIVED ON SITE: 9:00am
STANDBY TIME: _____ CAUSE: _____
LOGGING STARTED: 12:53pm LOGGING COMPLETED: 1:10pm

SITE: EXELON VICTORIA B21624 off site DATE: 4/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 2 OF 2

WINCH: COMPROBE _____ SILVER X OYO _____ RG _____ OTHER _____
MICROLOGGER 5310 X 5772 _____ OTHER _____
ELOG PROBE 5490 X OTHER _____

PROBE LENGTH	2.50M(8.20 FT)
PLUS YOKE 10.0M (32.8 FT)	<u>32.8</u>
MINUS CASING STICK-UP	<u>0</u>
DEPTH REF. OFFSET AT START	<u>41.0</u>
DEPTH REF. OFFSET AT END	<u>41.0</u>
AFTER SURVEY DEPTH ERROR	<u>0</u> LESS THAN 0.4%?

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
<u>B21624 off log test 01</u>		<u>12:28 pm</u>		<u>12:29 pm</u>
<u>B21624 off log up 01</u>	<u>208 ft</u>	<u>12:53 pm</u>	<u>410.15'</u>	<u>1:10 pm</u>

MAINTENANCE PERFORMED ON SITE: _____

EQUIPMENT PROBLEMS OR FAILURES: _____

SUGGESTIONS, ADDITIONS, CHANGES: _____



P-S SUSPENSION VELOCITY FIELD LOG

SITE: EXELON VICTORIA B2162A offsite DATE: 11/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 1 OF 5

CONTACT: STEVE CRISENZO OFFICE PHONE: 361-972-0198
CELL PHONE: 919-949-1707
CONTACT: OFFICE PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
DRILLER: PHONE:
COMPANY: PHONE:

DIRECTIONS TO SITE:

GENERAL SITE CONDITIONS/LOCATION:

EA#: BOREHOLE DESIGNATION: B2162A offsite LOCATION: Unit 1

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED UNCASD X
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210 ft; TO
BOREHOLE TOTAL DEPTH AS DRILLED: 210 ft
CONDUCTOR CASING?: YES DEPTH TO BOTTOM OF CASING; NO X
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER; FRESH WATER MUD X; SALT WATER MUD
OTHER:
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 11:30am



SITE: EXELON VICTORIA 321624 effact DATE: 11/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 2 OF 5

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 8:30am
ARRIVED ON SITE: 9:00am
STANDBY TIME: CAUSE:
LOGGING STARTED: 1:25pm LOGGING COMPLETED: 2:28pm
STANDBY TIME: CAUSE:
LOGGING STARTED: LOGGING COMPLETED:
DEMObILIZED TO: ARRIVAL TIME:
ADDITIONAL DEMOB TIME: REASON:

BATTERIES CHANGED BEFORE LOGGING: YES ; NO ; STORED WITH NEW
WINCH COMPROMBE ☐ GREY ☐ OYO ☐ RG ☐ OTH ☐
INSTRUMENT OYO 12004 ☐ 15014 ☐ 19029 ☐ RG 160023 ☒ 160024 ☐
RECEIVER S/N 12008 ☐ 20042 ☒ 26066 ☐ 11001 ☐ 23053 ☐ 30086 ☐

MAINTENANCE PERFORMED ON SITE:

EQUIPMENT PROBLEMS OR FAILURES:

SUGGESTIONS, ADDITIONS, CHANGES:

COMMENTS: RP = ground surface 2.48m
2.51m @ 2:40pm

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B21624 ddc DATE: 11/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 3 OF 5

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	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	601		1:25
3.0	9.84	2		
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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 32162.4 off

DATE: 11/14/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER

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OF 5

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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20.5	67.26	37		
21.0	68.90	38		
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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B21621 off site
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: 11/14/07
JOB: 7501
PAGE 5 OF 5

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	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	97		
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		2:28 pm
60.0	196.85			



B2162A offsite CALIPER FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 01/06/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 1 OF 2

CONTACT: STEVE CRISENZO OFFICE PHONE: 361-972-0198
CELL PHONE: 919-949-1707
CONTACT: ALLAN SHAW CELL PHONE: 301-704-2684
PHONE:
CONTACT: PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
DRILLER: PHONE:
COMPANY: PHONE:

GENERAL SITE CONDITIONS/LOCATION:

BOREHOLE DESIGNATION: B2162A offsite LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED UNCASED 7
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210 ft; TO
BOREHOLE TOTAL DEPTH AS DRILLED: 210 ft
CONDUCTOR CASING?: YES DEPTH TO BOTTOM OF CASING; NO X
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: 11:30 am

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 8:30 am
ARRIVED ON SITE: 9:00 am
STANDBY TIME: CAUSE:
LOGGING STARTED: 3:08 pm LOGGING COMPLETED: 3:30 pm

SITE: EXELON VICTORIA COUNTY COL B21621 off cal DATE: 11/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 2 OF 2

WINCH: COMPROBE SILVER x OYO RG OTHER
MICROLOGGER 5310 x 5772 OTHER
CALIPER PROBE 5368 x OTHER

PROBE OFFSET	2.08M(6.82 FT) 12 IN MAX
MINUS CASING STICK-UP	<u>0</u>
DEPTH REF. OFFSET AT START	<u>6.82</u>
DEPTH REF. OFFSET AT END	<u>6.80</u>
AFTER SURVEY DEPTH ERROR	<u>.02</u> LESS THAN 0.4%?

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
B21621 off cal test 01		2:48 pm		2:49 pm
B21621 off cal up 01	202.15'	3:08 pm	5.85'	3:30 pm
B21621 off cal test 02		3:45 pm		3:46 pm

CALIBRATION PLATE S/N 201		AS BUILT			PVC FITTING
FILE NAME		1.968 IN (50 MM)	3.937 IN (100 MM)	8.000 IN (203.2 MM)	4.507 IN (114.3 MM)
AS MEAS.	B21621 off cal test 01	1.997	3.952	8.043	4.521
AS MEAS.	B21621 off cal test 02	1.933	3.911	8.036	4.536 cc 11/14/07
AS MEAS.					
AS MEAS.					
AS MEAS.					
AS MEAS.					

MAINTENANCE PERFORMED ON SITE: _____

EQUIPMENT PROBLEMS OR FAILURES: _____

SUGGESTIONS, ADDITIONS, CHANGES: _____



B21624 offsite DEVIATION FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 11/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 1 OF 2

CONTACT: STEVE CRISENZO OFFICE PHONE: 361-972-0198
CELL PHONE: 919-949-1707
CONTACT: OFFICE PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
DRILLER: PHONE:
COMPANY: PHONE:

DIRECTIONS TO SITE:

GENERAL SITE CONDITIONS/LOCATION:

BOREHOLE DESIGNATION: B-21624 offsite LOCATION: _____
COUNTY: VICTORIA RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASD X
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210 ft; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED: 210 ft
CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO X
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____;
OTHER: _____
DEPTH TO BOREHOLE FLUID: 10 ft TIME SINCE LAST CIRCULATION: 11:30 am



SITE: EXELON VICTORIA COUNTY COL B21624 off 400051 DATE: 11/14/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 2 OF 2

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria TX DEPARTURE TIME: 8:30 am
ARRIVED ON SITE: 9:00 am
STANDBY TIME: CAUSE:
LOGGING STARTED: 4:17 pm LOGGING COMPLETED: 4:30 pm

WINCH: COMPROBE SILVER + OYO RG OTHER
MICROLOGGER 5310 X 5772 OTHER
TELEVIEWER 5174 X OTHER

1	PROBE TILT TEST	<u>90.66</u>	BRUNTON TILT	<u>0</u>	
2	PROBE TILT TEST	<u>72.44</u>	BRUNTON TILT	<u>18</u>	
3	PROBE TILT TEST	<u>77.61</u>	BRUNTON TILT	<u>13</u>	After log
1	PROBE AZIMUTH TEST	<u>291.0</u>	BRUNTON AZIMUTH	<u>285</u>	
2	PROBE AZIMUTH TEST	<u>353.0</u>	BRUNTON AZIMUTH	<u>356</u>	
3	PROBE AZIMUTH TEST	<u>31.5</u>	BRUNTON AZIMUTH	<u>34</u>	After log

PROBE OFFSET	1.44M(4.72FT)
MINUS CASING STICK-UP	<u>0</u>
DEPTH REF. OFFSET AT START	<u>4.72</u>
DEPTH REF. OFFSET AT END	<u>4.72</u>
AFTER SURVEY DEPTH ERROR	<u>0</u> LESS THAN 0.4%?

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
<u>B21624 off 400051</u>	<u>204.7'</u>	<u>4:17 pm</u>	<u>3.1 ft</u>	<u>4:30 pm</u>

MAINTENANCE PERFORMED ON SITE: _____
EQUIPMENT PROBLEMS OR FAILURES: _____
SUGGESTIONS, ADDITIONS, CHANGES: _____



DATE: 11/9/07 + 11/12/07

JOB: 7501

PAGE 1 OF 1

PHONE: 361-972-0198

LOGGING CREW: C. Carter

[illegible]

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



P-S SUSPENSION VELOCITY FIELD LOG

SITE: EXELON VICTORIA B-2174A offset DATE: 11/19/07 / 11/12/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 1 OF 12
CONTACT: STEVE CRISENZO OFFICE PHONE: 361-972-0198
CELL PHONE: 919-949-1707
CONTACT: OFFICE PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
CONTACT: PHONE:
PHONE:
DRILLER: PHONE:
COMPANY: PHONE:

DIRECTIONS TO SITE:

GENERAL SITE CONDITIONS/LOCATION: _____

EA#: _____
BOREHOLE DESIGNATION: B-2174A offset LOCATION: Unit 1
COUNTY: VICTORIA RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASD X
DIAMETERS AND DEPTH RANGES: 7 1/8" 0 TO 40 ft; 6 3/4" 40' TO 617'
BOREHOLE TOTAL DEPTH AS DRILLED: 617 ft
CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO X
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER _____; FRESH WATER MUD X; SALT WATER MUD _____;
OTHER: _____
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 4pm / 1pm



SITE: EXELON VICTORIA B-2174A off
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: 11/9/07 + 11/12/07
JOB: 7501
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LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 7:30 am / 10:30 (11/12)
ARRIVED ON SITE: 8:00 am / 11:00 am (11/12)
STANDBY TIME: 11a - 4:30 pm CAUSE: Drillers cleaning hole
LOGGING STARTED: 6:48 pm LOGGING COMPLETED: 8:20 pm
STANDBY TIME: CAUSE:
LOGGING STARTED: 2:02 pm (11/12) LOGGING COMPLETED: 3:34 pm (11/12)
DEMOBILIZED TO: ARRIVAL TIME:
ADDITIONAL DEMOB TIME: REASON:

BATTERIES CHANGED BEFORE LOGGING: YES ; NO ☒ ; STORED WITH NEW
WINCH COMPROMBE ☐ GREY ☒ OYO ☐ RG ☐ OTH ☐
INSTRUMENT OYO 12004 ☐ 15014 ☐ 19029 ☐ RG 160023 ☒ 160024 ☐
RECEIVER S/N 12008 ☐ 20042 ☒ 26066 ☐ 11001 ☐ 23053 ☐ 30086 ☐

MAINTENANCE PERFORMED ON SITE:

EQUIPMENT PROBLEMS OR FAILURES:

SUGGESTIONS, ADDITIONS, CHANGES:

COMMENTS: RP = ground surface = 2.48
RP 2.51 after log
11/12/07 : RP = ground surface = 2.48
2.52 after log @ 4:00 pm

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2174A
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: 11/9/67
JOB: 7501
PAGE 3 OF 12

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	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	<u>69 001</u>		<u>6:48 pm</u>
3.0	9.84	<u>2</u>		
3.5	11.48	<u>3</u>		
4.0	13.12	<u>4</u>		
4.5	14.76	<u>5</u>		
5.0	16.40	<u>6</u>		
5.5	18.04	<u>7</u>		
6.0	19.69	<u>8</u>		
6.5	21.33	<u>9</u>		
7.0	22.97	<u>10</u>		
7.5	24.61	<u>11</u>		
8.0	26.25	<u>12</u>		
8.5	27.89	<u>13</u>		
9.0	29.53	<u>14</u>		
9.5	31.17	<u>15</u>		
10.0	32.81	<u>16</u>		
10.5	34.45	<u>17</u>		
11.0	36.09	<u>18</u>		
11.5	37.73	<u>19</u>		
12.0	39.37	<u>20</u>		
12.5	41.01	<u>21</u>		
13.0	42.65	<u>22</u>		
13.5	44.29	<u>23</u>		
14.0	45.93	<u>24</u>		
14.5	47.57	<u>25</u>		
15.0	49.21	<u>26</u>		
15.5	50.85	<u>27</u>		
16.0	52.49	<u>28</u>		
16.5	54.13	<u>29</u>		
17.0	55.77	<u>30</u>		
17.5	57.41	<u>31</u>		
18.0	59.06	<u>32</u>		
18.5	60.70	<u>33</u>		
19.0	62.34	<u>34</u>		
19.5	63.98	<u>35</u>		
20.0	65.62	<u>36</u>		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B2174A46

DATE: 11/9/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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20.5	67.26	37		
21.0	68.90	38		
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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 321742 of 6

DATE: 11/9/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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40.5	132.87	17		
41.0	134.51	18		
41.5	136.15	19		
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			
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	96		
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	166		
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	116		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B2124A

DATE: 11/9/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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60.5	198.49	117		
61.0	200.13			
61.5	201.77			
62.0	203.41			
62.5	205.05			
63.0	206.69			
63.5	208.33			
64.0	209.97			
64.5	211.61			
65.0	213.25	126		
65.5	214.90			
66.0	216.54			
66.5	218.18			
67.0	219.82			
67.5	221.46			
68.0	223.10			
68.5	224.74			
69.0	226.38			
69.5	228.02			
70.0	229.66	136		
70.5	231.30			
71.0	232.94			
71.5	234.58			
72.0	236.22			
72.5	237.86			
73.0	239.50			
73.5	241.14			
74.0	242.78			
74.5	244.42			
75.0	246.06	146		
75.5	247.70			
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	156		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 32174A

DATE: 11/9/07 / 11/12/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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80.5	264.11	157		
81.0	265.75			
81.5	267.39			
82.0	269.03			
82.5	270.67			
83.0	272.31			
83.5	273.95			
84.0	275.59			
84.5	277.23			
85.0	278.87	166		
85.5	280.51			
86.0	282.15			
86.5	283.79			
87.0	285.43			
87.5	287.07			
88.0	288.71			
88.5	290.35			
89.0	291.99			
89.5	293.64			
90.0	295.28	176 284		2:02 (11/12/07)
90.5	296.92	285		
91.0	298.56	286		
91.5	300.20	287		
92.0	301.84	288		
92.5	303.48	289		
93.0	305.12	182 290		hit bottom 93.1 8:20pm (11/9/07)
93.5	306.76	291		
94.0	308.40	292		
94.5	310.04	293		
95.0	311.68	294		
95.5	313.32	295		
96.0	314.96	296		
96.5	316.60	297		
97.0	318.24	298		
97.5	319.88	299		
98.0	321.52	300		
98.5	323.16	301		
99.0	324.80	302		
99.5	326.44	303		
100.0	328.08	304		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 32174 Affected
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: 11/12/07
JOB: 7501
PAGE 8 OF 12

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
-----------------	---------------	------------------------	----------------------	--------------------------------------

100.5	329.72	305		
101.0	331.36	306		
101.5	333.01	307		
102.0	334.65	308		
102.5	336.29	309		
103.0	337.93	310		
103.5	339.57	311		
104.0	341.21	312		
104.5	342.85	313		
105.0	344.49	314		
105.5	346.13	315		
106.0	347.77	316		
106.5	349.41	317		
107.0	351.05	318		
107.5	352.69	319		
108.0	354.33	320		
108.5	355.97	321		
109.0	357.61	322		
109.5	359.25	323		
110.0	360.89	324		
110.5	362.53	325		
111.0	364.17	326		
111.5	365.81	327		
112.0	367.45	328		
112.5	369.09	329		
113.0	370.73	330		
113.5	372.38	331		
114.0	374.02	332		
114.5	375.66	333		
115.0	377.30	334		
115.5	378.94	335		
116.0	380.58	336		
116.5	382.22	337		
117.0	383.86	338		
117.5	385.50	339		
118.0	387.14	340		
118.5	388.78	341		
119.0	390.42	342		
119.5	392.06	343		
120.0	393.70	344		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA *32174A offset*
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: *11/12/07*
JOB: 7501
PAGE *9* OF *12*

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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120.5	395.34	345		
121.0	396.98			
121.5	398.62			
122.0	400.26			
122.5	401.90			
123.0	403.54			
123.5	405.18			
124.0	406.82			
124.5	408.46			
125.0	410.10	354		
125.5	411.75			
126.0	413.39			
126.5	415.03			
127.0	416.67			
127.5	418.31			
128.0	419.95			
128.5	421.59			
129.0	423.23			
129.5	424.87			
130.0	426.51	364		
130.5	428.15			
131.0	429.79			
131.5	431.43			
132.0	433.07			
132.5	434.71			
133.0	436.35			
133.5	437.99			
134.0	439.63			
134.5	441.27			
135.0	442.91	374		
135.5	444.55			
136.0	446.19			
136.5	447.83			
137.0	449.48			
137.5	451.12			
138.0	452.76			
138.5	454.40			
139.0	456.04			
139.5	457.68			
140.0	459.32	384		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 32174A g/s DATE: 11/12/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 10 OF 12

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
-----------------	---------------	------------------------	----------------------	--------------------------------------

140.5	460.96	385		
141.0	462.60			
141.5	464.24			
142.0	465.88			
142.5	467.52			
143.0	469.16			
143.5	470.80			
144.0	472.44			
144.5	474.08			
145.0	475.72	394		
145.5	477.36			
146.0	479.00			
146.5	480.64			
147.0	482.28			
147.5	483.92			
148.0	485.56			
148.5	487.20			
149.0	488.85			
149.5	490.49			
150.0	492.13			
150.5	493.77	404		
151.0	495.41			
151.5	497.05			
152.0	498.69			
152.5	500.33			
153.0	501.97			
153.5	503.61			
154.0	505.25			
154.5	506.89			
155.0	508.53	414		
155.5	510.17			
156.0	511.81			
156.5	513.45			
157.0	515.09			
157.5	516.73			
158.0	518.37			
158.5	520.01			
159.0	521.65			
159.5	523.29			
160.0	524.93	424		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 32174A offset DATE: 11/12/07
 CLIENT: MACTEC JOB: 7501
 AUTHOR: C. CARTER PAGE 11 OF 12

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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160.5	526.57	425		
161.0	528.22			
161.5	529.86			
162.0	531.50			
162.5	533.14			
163.0	534.78			
163.5	536.42			
164.0	538.06			
164.5	539.70			
165.0	541.34	434		
165.5	542.98			
166.0	544.62			
166.5	546.26			
167.0	547.90			
167.5	549.54			
168.0	551.18			
168.5	552.82			
169.0	554.46			
169.5	556.10			
170.0	557.74			
170.5	559.38	444		
171.0	561.02			
171.5	562.66			
172.0	564.30			
172.5	565.94			
173.0	567.59			
173.5	569.23			
174.0	570.87			
174.5	572.51			
175.0	574.15	454		
175.5	575.79			
176.0	577.43			
176.5	579.07			
177.0	580.71			
177.5	582.35			
178.0	583.99			Probe may be resting on ledge
178.5	585.63			
179.0	587.27			
179.5	588.91			
180.0	590.55	464		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 32174A offset
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: 11/12/07
JOB: 7501
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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	COMMENTS CASING, WATER, ROCK, ETC
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180.5	592.19			
181.0	593.83			
181.5	595.47	467		
182.0	597.11	468		
182.5	598.75	469		
183.0	600.39	470		3:34
183.5	602.03			
184.0	603.67			
184.5	605.31			
185.0	606.96			
185.5	608.60			
186.0	610.24			
186.5	611.88			
187.0	613.52			
187.5	615.16			
188.0	616.80			
188.5	618.44			
189.0	620.08			
189.5	621.72			
190.0	623.36			
190.5	625.00			
191.0	626.64			
191.5	628.28			
192.0	629.92			
192.5	631.56			
193.0	633.20			
193.5	634.84			
194.0	636.48			
194.5	638.12			
195.0	639.76			
195.5	641.40			
196.0	643.04			
196.5	644.69			
197.0	646.33			
197.5	647.97			
198.0	649.61			
198.5	651.25			
199.0	652.89			
199.5	654.53			
200.0	656.17			