

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2303

DATE: 11/15/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. CARTER R. STEWART 11/15/07

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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	38		
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		

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SITE: EXELON VICTORIA B-2303

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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	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		

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SITE: EXELON VICTORIA B-2303

DATE: 11/15/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. CARTER P. STEUER 11/15/07

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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	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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2303

DATE: 11/15/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. GARTER P. STEUER 11/26/07

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DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	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			At 299.6m
90.5	296.92			Bottom measurement?
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			To 2.30'
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			



B-2303 CALIPER FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 11/15/07
CLIENT: MACTEC JOB: 7501
AUTHOR: G. CARTER P. STENZEL 11/15/07 PAGE 1 OF 2

CONTACT: STEVE CRIZENZO 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: B-2303 LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ☐ UNCASED ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 310'; TO
BOREHOLE TOTAL DEPTH AS DRILLED: 310'
CONDUCTOR CASING?: YES ☐ DEPTH TO BOTTOM OF CASING; NO ☒
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: ~45'
BOREHOLE FLUID: WATER ☐ FRESH WATER MUD ☒ SALT WATER MUD ☐
OTHER:
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: ~3 HR

LOGGING CREW: G. CARTER P. STENZEL 11/15/07
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 10:00
ARRIVED ON SITE: 10:30
STANDBY TIME: CAUSE:
LOGGING STARTED: 20:30 LOGGING COMPLETED: 21:17

SITE: EXELON VICTORIA COUNTY COL B-2303

DATE: 11/15/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. GARTER P. STELLER 11/15/07

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

PROBE OFFSET	2.08M(6.82 FT) 12 IN MAX
MINUS CASING STICK-UP	-1.1
DEPTH REF. OFFSET AT START	5.72'
DEPTH REF. OFFSET AT END	5.70'
AFTER SURVEY DEPTH ERROR	-0.02 LESS THAN 0.4%? YES

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
B2303CALTEST01	0	20:30	0	20:38
B2303 CAL UP01	305.0'	20:45	0	21:17
B2303 CALTEST02	0	21:22	0	21:24

CALIBRATION PLATE S/N 201

		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.	B2303CALTEST01	2.03	3.97	8.05	4.53
AS MEAS.	B2303 CALTEST02	2.02	3.94	8.02	4.51
AS MEAS.					
AS MEAS.					
AS MEAS.					
AS MEAS.					

MAINTENANCE PERFORMED ON SITE: _____

EQUIPMENT PROBLEMS OR FAILURES: _____

SUGGESTIONS, ADDITIONS, CHANGES: _____



B-2303 DEVIATION FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 11/15/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER R. STEINER 11/26/07 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:

DIRECTIONS TO SITE: _____

GENERAL SITE CONDITIONS/LOCATION: _____

BOREHOLE DESIGNATION: 11/15/07 LOCATION: _____

COUNTY: VICTORIA RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASD ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 310'; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED: 310
CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO ☒
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 45'
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ☒; SALT WATER MUD _____
OTHER: _____
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 3H



SITE: EXELON VICTORIA COUNTY COL B2303
CLIENT: MACTEC
AUTHOR: C. CARTER R. STELLER

DATE: 11/15/07
JOB: 7501
PAGE 2 OF 2

LOGGING CREW: C. CARTER R. STELLER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA TX DEPARTURE TIME: 10:00
ARRIVED ON SITE: 10:30
STANDBY TIME: _____ CAUSE: _____
LOGGING STARTED: 21:46 LOGGING COMPLETED: 21:58

WINCH: _____ COMPROBE _____ SILVER _____ OYO _____ RG ☒ _____ OTHER _____
MICROLOGGER 5310 _____ 5772 ☒ _____ OTHER _____
TELEVIEWER 5174 ☒ _____ OTHER _____

PROBE TILT TEST 91.2° BRUNTON TILT 91°
PROBE TILT TEST 12.6° BRUNTON TILT 12°
PROBE TILT TEST 0.2° BRUNTON TILT 0° AFTER LOG
PROBE AZIMUTH TEST 94.4° BRUNTON AZIMUTH 73°
PROBE AZIMUTH TEST 161.5° BRUNTON AZIMUTH 161°
PROBE AZIMUTH TEST 53.6° BRUNTON AZIMUTH 54° AFTER LOG

PROBE OFFSET	1.44M(4.72FT)
MINUS CASING STICK-UP	1.1'
DEPTH REF. OFFSET AT START	3.62'
DEPTH REF. OFFSET AT END	3.80'
AFTER SURVEY DEPTH ERROR	+0.10' LESS THAN 0.4%? <u>YES</u>

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
B2303 AWP01	3050'	21:46	3.0	21:58

MAINTENANCE PERFORMED ON SITE: _____

EQUIPMENT PROBLEMS OR FAILURES: _____

SUGGESTIONS, ADDITIONS, CHANGES: _____



DATE: 11/17/07

JOB: 7501

PAGE 1 OF 1

PHONE: 361-972-0198

DIAMETERS AND DEPTH RANGES: 5" 0 TO 310' ; _____ TO _____

CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO *r*

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

LOGGING CREW: G. Carter R. STELVER 11/17/07

GEOVision Geophysical Services

1151 Pomona Road, Unit P, Corona, CA 92882

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



B-2304 DEVIATION FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 11/17/07
CLIENT: MACTEC JOB: 7501
AUTHOR: G. CARTER R. STELLER 11/17/07 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:
PHONE:
DRILLER: PHONE:
COMPANY: PHONE:

DIRECTIONS TO SITE:

GENERAL SITE CONDITIONS/LOCATION:

BOREHOLE DESIGNATION: B-2304 LOCATION:
COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED UNCASED ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 310'; TO
BOREHOLE TOTAL DEPTH AS DRILLED: 310'
CONDUCTOR CASING?: YES DEPTH TO BOTTOM OF CASING; NO ☒
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 245'
BOREHOLE FLUID: WATER; FRESH WATER MUD ☒; SALT WATER MUD;
OTHER:
DEPTH TO BOREHOLE FLUID: Ø TIME SINCE LAST CIRCULATION: 2 1/2 HR



P-S SUSPENSION VELOCITY FIELD LOG

SITE: EXELON VICTORIA B-2304 DATE: 11/17/87
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER R. STEWART 11/17/87 PAGE 1 OF 7
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-2304 LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED UNCASED ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 310'; TO
BOREHOLE TOTAL DEPTH AS DRILLED: 310'
CONDUCTOR CASING?: YES DEPTH TO BOTTOM OF CASING; NO ☒
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 45'
BOREHOLE FLUID: WATER; FRESH WATER MUD ☒; SALT WATER MUD;
OTHER:
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 2 HR



SITE: EXELON VICTORIA B-2304
CLIENT: MACTEC
AUTHOR: G. CARTER R. STELLER

DATE: 11/17/07
JOB: 7501
PAGE 2 OF 7

11/17/07

LOGGING CREW: G. CARTER R. STELLER

VEHICLE(S) USED AND MILEAGE: RENTAL

MOBILIZED FROM: Victoria, TX

DEPARTURE TIME: 11:30

ARRIVED ON SITE: 12:00

STANDBY TIME:

CAUSE:

LOGGING STARTED: 15:12

LOGGING COMPLETED: 16:48

STANDBY TIME:

CAUSE:

LOGGING STARTED:

LOGGING COMPLETED:

DEMOLIBIZED TO:

ARRIVAL TIME:

ADDITIONAL DEMOB TIME:

REASON:

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 ☒

MAINTENANCE PERFORMED ON SITE:

EQUIPMENT PROBLEMS OR FAILURES:

SUGGESTIONS, ADDITIONS, CHANGES:

COMMENTS:

DEPTH ZERO = 2.5m - .31m (1.1') = 2.16m

END ZERO = 2.11m

ASDE = -0.05m

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2304

DATE: 11/17/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. CARTER P. STELLER

11/17/07

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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	1		
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 B-2304

DATE: 11/17/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER R. STEUER 11/17/07

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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 B-2304

DATE: 11/12/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER R. STELLER 11/17/07

PAGE 5 OF 7

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-2304

DATE: 11/17/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. CARTER R. STEUER 11/17/07

PAGE 6 OF 7

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-2304

DATE: 11/17/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. GARTER P. STEWART 11/17/07

PAGE 7 OF 7

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		HT BOTTOM @ 90.2m - 16:48
90.5	296.92			BOTTOM MEASUREMENT?
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			T.O. @ 310'
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			



B-2304 ELOG FIELD LOG

SITE: EXELON VICTORIA DATE: 11/17/07
CLIENT: MACTEC JOB: 7501
AUTHOR: G. CARTER R. STELLER 11/17/07 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: B-2304 LOCATION: _____

COUNTY: VICTORIA RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASD ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 310'; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED: 310'
CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO ☒
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 45'
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ☒; SALT WATER MUD _____;
OTHER: _____
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 23HR

LOGGING CREW: G. CARTER R. STELLER 11/17/07
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 11:30
ARRIVED ON SITE: 12:00
STANDBY TIME: _____ CAUSE: _____
LOGGING STARTED: 17:20 LOGGING COMPLETED: 18:09

SITE: EXELON VICTORIA B-2304

DATE: 11/17/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER R. STEUER

PAGE 2 OF 2

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

PROBE LENGTH	2.50M(8.20 FT)
PLUS YOKE 10.0M (32.8 FT)	<u>+ 32.8</u>
MINUS CASING STICK-UP	<u>- 1.1</u>
DEPTH REF. OFFSET AT START	<u>39.9'</u>
DEPTH REF. OFFSET AT END	<u>39.9'</u>
AFTER SURVEY DEPTH ERROR	<u>0</u> LESS THAN 0.4%? <u>YES</u>

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
B2304 ELOG TEST 01	<u>0</u>	<u>17:20</u>	<u>0</u>	<u>17:25</u>
B2304 ELOG UP 01	<u>309.0'</u>	<u>17:39</u>	<u>37.0'</u>	<u>18:09</u>

MAINTENANCE PERFORMED ON SITE: _____

EQUIPMENT PROBLEMS OR FAILURES: _____

SUGGESTIONS, ADDITIONS, CHANGES: _____



B-2304 RA 11/17/07
~~B-2303~~ CALIPER FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 11/17/07
CLIENT: MACTEC JOB: 7501
AUTHOR: G. CARTER R. STELLER 11/17/07 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: B-2303 LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED UNCASED ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 310' 310'; RA 11/17/07 TO
BOREHOLE TOTAL DEPTH AS DRILLED: 310'
CONDUCTOR CASING?: YES DEPTH TO BOTTOM OF CASING; NO ☒
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 245'
BOREHOLE FLUID: WATER; FRESH WATER MUD ☒; SALT WATER MUD
OTHER:
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 24 HR

LOGGING CREW: G. CARTER R. STELLER 11/17/07
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 11:30
ARRIVED ON SITE: 12:00
STANDBY TIME: CAUSE:
LOGGING STARTED: 1:30 LOGGING COMPLETED: 20:23

SITE: EXELON VICTORIA COUNTY COL B-2304 DATE: 11/17/07
CLIENT: MACTEC JOB: 7501
AUTHOR: G. CARTER R. Steiner 11/17/07 PAGE 2 OF 2

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

PROBE OFFSET	2.08M(6.82 FT) 12 IN MAX
MINUS CASING STICK-UP	-1.1'
DEPTH REF. OFFSET AT START	5.72'
DEPTH REF. OFFSET AT END	5.65'
AFTER SURVEY DEPTH ERROR	-0.07' LESS THAN 0.4%? YES

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
B2304 CALTEST01	0	19:30	0	19:34
B2304 CALUP01	305.0'	19:45	5.65	20:16
B2304 CALTEST02	0	20:21	0	20:23

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.	B2304 CALTEST01	2.02	3.93	8.02	4.55
AS MEAS.	B2304 CALTEST02	2.02	3.91	8.04	4.53
AS MEAS.					
AS MEAS.					
AS MEAS.					
AS MEAS.					

MAINTENANCE PERFORMED ON SITE: _____

EQUIPMENT PROBLEMS OR FAILURES: _____

SUGGESTIONS, ADDITIONS, CHANGES: _____



B-2305 BORING GEOPHYSICS FIELD LOG SUMMARY

SITE: EXELON-VICTORIA

CLIENT: MACTEC

AUTHOR: ~~G. CARTER~~ R. STELLER

DATE: 11/10/07

JOB: 7501

PAGE 1 OF 1

CONTACT: STEVE CRISENZO

PHONE: 361-972-0198

BOREHOLE CONSTRUCTION: CASED _____ UNCASED ☒

DIAMETERS AND DEPTH RANGES: 5" 0 TO 305'; _____ TO _____

BOREHOLE TOTAL DEPTH AS DRILLED: 305

CONDUCTOR CASING?: YES DEPTH TO BOTTOM OF CASING ; NO ✓

DEPTH TO BEDROCK:

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

LOGGING CREW: C. Carter 11/18/07

[illegible]



B-2305 ELOG FIELD LOG

SITE: EXELON VICTORIA DATE: 11/10/07
CLIENT: MACTEC JOB: 7501
AUTHOR: G. CARTER R. STELLER 11/10/07 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:

GENERAL SITE CONDITIONS/LOCATION:

BOREHOLE DESIGNATION: B-2305 LOCATION: _____

COUNTY: VICTORIA RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASED ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 305'; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED: 305'
CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 245'
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ☒; SALT WATER MUD _____
OTHER: _____
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: 1/2 HR

LOGGING CREW: G. CARTER R. STELLER 11/10/07
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 09:30
ARRIVED ON SITE: 10:00
STANDBY TIME: _____ CAUSE: _____
LOGGING STARTED: 10:15 LOGGING COMPLETED: 10:21

SITE: EXELON VICTORIA B-2305

DATE: 11/18/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. CARTER 11/18/07 L. Stenell

PAGE 2 OF 2

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

PROBE LENGTH	2.50M(8.20 FT)
PLUS YOKE 10.0M (32.8 FT)	+ 32.8
MINUS CASING STICK-UP	- 1.7
DEPTH REF. OFFSET AT START	39.3
DEPTH REF. OFFSET AT END	38.2
AFTER SURVEY DEPTH ERROR	-0.1
	LESS THAN 0.4%? YES

LOG NAME	START DEPTH	START TIME	END DEPTH	END TIME
B2305 ELON TEX 01	0	15:15	0	15:17
B2305 ELON UR 01	235.4	16:00	40.0	16:21

MAINTENANCE PERFORMED ON SITE: _____

EQUIPMENT PROBLEMS OR FAILURES: _____

SUGGESTIONS, ADDITIONS, CHANGES: _____



P-S SUSPENSION VELOCITY FIELD LOG

SITE: EXELON VICTORIA B-2305 DATE: 11/18/07
CLIENT: MACTEC JOB: 7501
AUTHOR: G. CARTER R. STELLER 11/18/07 PAGE 1 OF 16 11/18/07
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-2305 LOCATION: _____

COUNTY: VICTORIA RANGE: _____ TOWNSHIP: _____ SECTION: _____
BOREHOLE CONSTRUCTION: CASED _____ UNCASD ☒
DIAMETERS AND DEPTH RANGES: 5" 0 TO 305'; _____ TO _____
BOREHOLE TOTAL DEPTH AS DRILLED: 305
CONDUCTOR CASING?: YES _____ DEPTH TO BOTTOM OF CASING _____; NO _____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: 45
BOREHOLE FLUID: WATER _____; FRESH WATER MUD ☒; SALT WATER MUD _____;
OTHER: _____
DEPTH TO BOREHOLE FLUID: 0 TIME SINCE LAST CIRCULATION: _____

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



SITE: EXELON VICTORIA B-2305
CLIENT: MACTEC
AUTHOR: G. CARTER R. STEUER

DATE: 11/18/07
JOB: 7501
PAGE 2 OF 6

11/18/07
LOGGING CREW: G. CARTER R. STEUER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 09:30
ARRIVED ON SITE: 10:00
STANDBY TIME: _____ CAUSE: _____
LOGGING STARTED: 16:30 LOGGING COMPLETED: 17:50
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 _____ COMPROBE ☐ 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: _____

DEPTH ZERO = 2.5m - .5 (1.7') = 2.0m
END ZERO = 1.92
ADP = -0.08

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2305

DATE: 11/18/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. CARTER R. SEELWITZ 11/18/07

PAGE 3 OF 6

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	001		
2.5	8.20	2		
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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2305

DATE: 4/18/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER R. STELLEN 11/14/07

PAGE 4 OF 6

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

20.5	67.26	38		
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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2305

DATE: 11/18/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: C. CARTER R. STEWEE 11/18/07

PAGE 5 OF 6

DEPTH METERS	DEPTH FEET	UNFILTERED FILE NO.	FILTERED FILE NO.	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		

GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2305

DATE: 11/18/07

CLIENT: MACTEC

JOB: 7501

AUTHOR: G. GARTER R. STELLER 11/18/07

PAGE 6 OF 6

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

60.5	198.49	116		
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		Hit @ 67.1 m @ 17:47
67.5	221.46			Bottom measurement?
68.0	223.10			
68.5	224.74			
69.0	226.38			
69.5	228.02			
70.0	229.66			
70.5	231.30			
71.0	232.94			
71.5	234.58			Gravel @ 235'?
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			
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			