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geophysical services

# B2174A offset ELOG FIELD LOG

SITE: EXELON VICTORIA
DATE: 11/9/07
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:

GENERAL SITE CONDITIONS/LOCATION:

BOREHOLE DESIGNATION: B2174A off LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED X
DIAMETERS AND DEPTH RANGES: 7 7/8" 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 ____
DEPTH TO BEDROCK: NA DEPTH TO WATER TABLE: NA
BOREHOLE FLUID: WATER ____; FRESH WATER MUD X ; SALT WATER MUD ____;
OTHER:
DEPTH TO BOREHOLE FLUID: Ø TIME SINCE LAST CIRCULATION: 1pm, 4pm

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria DEPARTURE TIME: 7:30 am
ARRIVED ON SITE: 8:00 am
STANDBY TIME: 11-4:30 am CAUSE: Driller cleaning hole
LOGGING STARTED: 5:20 pm LOGGING COMPLETED: 6:17 pm

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

SITE:_EXELON VICTORIA B2174A offset DATE: 11/7/07
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) | 32.8 ft | |
| MINUS CASING STICK-UP | ∅ | |
| DEPTH REF. OFFSET AT START | 41.0' | |
| DEPTH REF. OFFSET AT END | 41.0' | |
| AFTER SURVEY DEPTH ERROR | 0.0 | LESS THAN 0.4%? |

| LOG NAME | START DEPTH | START TIME | END DEPTH | END TIME |
|---|---|---|---|---|
| B2174AELOGTEST01 | | 11:54 am | | 11:55 am |
| B2174AELOGUP01 | 609.8 ft | 5:20 pm | 37.8 ft | 6:17 pm |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

MAINTENANCE PERFORMED ON SITE:

EQUIPMENT PROBLEMS OR FAILURES:

SUGGESTIONS, ADDITIONS, CHANGES:

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# B-2174A offset CALIPER FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 11/9/07, 11/12/07
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: B-2174A offset LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED X
DIAMETERS AND DEPTH RANGES: 7 7/8" 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: Ø TIME SINCE LAST CIRCULATION: 4pm

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 7:30 am / 10:30 am
ARRIVED ON SITE: 8:00 am / 12:00 am
STANDBY TIME: 11-4:30pm CAUSE: Drillers cleaning hole
LOGGING STARTED: 9:27pm / 12:47pm LOGGING COMPLETED: 9:59pm / 1:19pm

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SITE: EXELON VICTORIA COUNTY COL B-2174A offset DATE: 11/9/07, 11/12/07
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 | 0 |
| DEPTH REF. OFFSET AT START | 6.82 6.82 11/12/07 |
| DEPTH REF. OFFSET AT END | 6.95 6.70 |
| AFTER SURVEY DEPTH ERROR | 0.13 .12 LESS THAN 0.4%? |

| LOG NAME | START DEPTH | START TIME | END DEPTH | END TIME |
|---|---|---|---|---|
| B2174ACALTEST01 | | 9:00 pm | | 9:01 pm |
| B2174ACALUP01 | 317.55 ft | 9:27 pm | 4.75 ft | 9:59 pm |
| B2174ACALTEST02 | | 10:05 pm | | 10:07 pm |
| B2174AoffCALTEST03 | | 11:48 am | | 11:50 am 11/12/07 |
| B2174AoffCALUP02 | 599.6' | 12:47 pm | 295.8 | 1:19 pm |
| B2174AoffCALTEST04 | | 1:36 pm | | 1:37 pm |
| | | | | |
| | | | | |

CALIBRATION PLATE S/N 201

| | | AS BUILT | | | PVC FITTING |
|---|---|---|---|---|---|
| | | 1.968 IN | 3.937 IN | 8.000 IN | 4.500 IN cl 11/9/07 |
| | FILE NAME | (50 MM) | (100 MM) | (203.2 MM) | (114.3 MM) |
| AS MEAS. | B2174ACALTEST01 | 1.933 | 3.917 | 7.99 | 4.475 |
| AS MEAS. | B2174ACALTEST02 | 1.913 | 3.898 | 7.992 | 4.426 |
| AS MEAS. | B2174AoffCALTEST03 | 1.965 | 3.948 | 8.03 | 4.490 |
| AS MEAS. | B2174AoffCALTEST04 | 1.955 | 3.925 | 8.021 | 4.490 |
| AS MEAS. | | | | | |
| AS MEAS. | | | | | |

MAINTENANCE PERFORMED ON SITE: ____

EQUIPMENT PROBLEMS OR FAILURES: Hit bottom @ 317' (11/9/07)

SUGGESTIONS, ADDITIONS, CHANGES: ____

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# B-2174A off DEVIATION FIELD LOG

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

DATE: 11/9/07, 11/12/07
JOB: 7501
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-2174A off LOCATION: Unit 1

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED X
DIAMETERS AND DEPTH RANGES: 7 7/8" 0 TO 40 ft ; 6 3/4", 40 ft 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: ~10 ft TIME SINCE LAST CIRCULATION: 4:00 pm / 1 pm

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SITE: EXELON VICTORIA COUNTY COL B-2174A off
DATE: 11/9/07, 11/12/07
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: 7:30 am / 10:30 am (11/12)
ARRIVED ON SITE: 8:00 am / 11:00 am (11/12)
STANDBY TIME: 11 am - 4:30 pm
CAUSE: Drillers cleaning hole
LOGGING STARTED: 10:50 pm / 4:38 pm
LOGGING COMPLETED: 11:12 pm / 4:55 pm

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

| | | | | | 11/12/07 | | |
|---|---|---|---|---|---|---|---|
| 1 PROBE TILT TEST | 98.68 | BRUNTON TILT | 8° | | 90 | 90 | 1 |
| 2 PROBE TILT TEST | 77.04 | BRUNTON TILT | 13 | | .2 | 0 | 2 |
| 3 PROBE TILT TEST | 84.68 | BRUNTON TILT | 5° | After log | .2 | 0 | 3 AL |
| 1 PROBE AZIMUTH TEST | 33.0 | BRUNTON AZIMUTH | 37 | | 120.1 | 132 | 1 |
| 2 PROBE AZIMUTH TEST | 95.0 | BRUNTON AZIMUTH | 98 | | 28.2 | 29 | 2 |
| 3 PROBE AZIMUTH TEST | 11.8 | BRUNTON AZIMUTH | 12 | After log | 236.4 | 230 | 3 AL |

| | | |
|---|---|---|
| PROBE OFFSET | 1.44M(4.72FT) | |
| MINUS CASING STICK-UP | 0 | 0 |
| DEPTH REF. OFFSET AT START | 4.72 | 4.72 |
| DEPTH REF. OFFSET AT END | 4.65 | 5.06 |
| AFTER SURVEY DEPTH ERROR | .07' | .34' LESS THAN 0.4%? |

| LOG NAME | START DEPTH | START TIME | END DEPTH | END TIME | |
|---|---|---|---|---|---|
| B2174AUUP01 | 317 ft | 10:50 pm | 3.8 ft | 11:12 pm | |
| B2174AOFFAUUP02 | 604.8' | 4:38 pm | 297 ft | 4:55 pm | 11/12/07 |
| | | | | | |
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MAINTENANCE PERFORMED ON SITE:

EQUIPMENT PROBLEMS OR FAILURES:

SUGGESTIONS, ADDITIONS, CHANGES:

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# B-2176A OFFSET BORING GEOPHYSICS FIELD LOG SUMMARY

SITE: EXELON-VICTORIA
CLIENT: MACTEC
AUTHOR: ~~C. CARTER~~ R. STELLER 11/13/07

DATE: 11/13/07
JOB: 7501
PAGE 1 OF 1

CONTACT: STEVE CRISENZO

PHONE: 361-972-0198

BOREHOLE CONSTRUCTION: CASED ____ UNCASED ✓
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210' ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 210'
CONDUCTOR CASING?: YES ____ DEPTH TO BOTTOM OF CASING ____; NO ✓
DEPTH TO BEDROCK: NA
BOREHOLE FLUID: WATER ____; FRESH WATER MUD ✓; SALT WATER MUD ____;

LOGGING CREW: ~~C. Carter~~ R. STELLER

| LOG TYPE | FILE NAME | DEPTH RANGE | DATE | TIMES |
|---|---|---|---|---|
| SUSPENSION PS | V176.001 - 115.004 | 8.2' - 195.2' | 11/13/07 | 15:28 - 16:30 |
| ELOG TEST | B2176AOFFSET ELOGTEST01 | Ø | " | 17:52 - 17:55 |
| ELOG/GAMMA | B2176AOFFSET ELOGUP01 | 209.0' - 37.0' | " | 18:10 - 18:28 |
| CALIPER TEST | B2176AOFFSET CALTEST01 | Ø | " | 18:45 - 18:48 |
| CALIPER/GAMMA | B2176AOFFSET CALUP01 | 205.0' - 6.0' | " | 18:58 - 19:20 |
| CALIPER TEST | B2176AOFFSET CALTEST02 | Ø | " | 19:28 - 19:31 |
| DEVIATION | B2176AOFFSET AMUP01 | 208.0' - 5.0' | " | 19:48 - 19:56. |
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# P-S SUSPENSION VELOCITY FIELD LOG

SITE: EXELON VICTORIA B-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~G. CARTER~~ R. STELLER 11/13/07 PAGE 1 OF 6

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-2176A OFFSET LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED ✓
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210' ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 210
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: Ø TIME SINCE LAST CIRCULATION: ≈ 1/2 HR

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SITE: EXELON VICTORIA B-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~G. CARTER~~ R. STELLER RAS 11/13/07 PAGE 2 OF 6

LOGGING CREW: ~~G. CARTER~~ R. STELLER RAS 11/20/07
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria, TX DEPARTURE TIME: 10:30
ARRIVED ON SITE: 11:00
STANDBY TIME: CAUSE:
LOGGING STARTED: 15:28 LOGGING COMPLETED: 16:30
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: SOURCE # 21050, DRIVER 27073, WEIGHT 12007
DEPTH ZERO = 2.5m - Ø (Ø FT) = 2.5m.
END ZERO = 2.5m

# GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~C. CARTER~~ R. STEELE 11/13/07 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 | | | |
| 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-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~G. CARTER~~ R. SPELLER 11/13/07 PAGE 4 OF 6

| DEPTH METERS | DEPTH FEET | UNFILTERED FILE NO. | FILTERED FILE NO. | COMMENTS CASING, WATER, ROCK, ETC |
|---|---|---|---|---|
| 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-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~C. CARTER~~ R. STELLER 11/13/07 PAGE 5 OF 6

| 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 | 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. | | HIT BOTTOM @ 59.8M |
| 60.0 | 196.85 | | | BOTTOM MEASUREMENT? |

# GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~G. GARTER~~ R. STELLER 11/13/07 PAGE 6 OF 6

| DEPTH METERS | DEPTH FEET | UNFILTERED FILE NO. | FILTERED FILE NO. | COMMENTS CASING, WATER, ROCK, ETC |
|---|---|---|---|---|
| 60.5 | 198.49 | | | |
| 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 | | | T.D @ 210' |
| 64.5 | 211.61 | | | |
| 65.0 | 213.25 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |

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# B-2176A OFFSET ELOG FIELD LOG

SITE: EXELON VICTORIA
CLIENT: MACTEC
AUTHOR: ~~C. CARTER~~ R. STELLER 11/13/07

DATE: 11/13/07
JOB: 7501
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-2176A OFFSET LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED ✓
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210' ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 210'
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: Ø TIME SINCE LAST CIRCULATION:

LOGGING CREW: ~~C. CARTER~~ R. STELLER 11/13/07
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 10:30
ARRIVED ON SITE: 11:00
STANDBY TIME: CAUSE:
LOGGING STARTED: 17:52 LOGGING COMPLETED: 18:29

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SITE: EXELON VICTORIA B-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~C. CARTER~~ R. STELLER 11/13/07 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 | Ø | |
| DEPTH REF. OFFSET AT START | 41.0 | |
| DEPTH REF. OFFSET AT END | 40.9 | |
| AFTER SURVEY DEPTH ERROR | -0.1' | LESS THAN 0.4%? YES |

| LOG NAME | START DEPTH | START TIME | END DEPTH | END TIME |
|---|---|---|---|---|
| B2176AOFFSET ELOG TEST | Ø | 17:52 | Ø | 17:55 |
| B2176AOFFSET ELOG MPOL | 209.0' | 18:10 | 37.0' | 18:28 |
| | | | | |
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| | | | | |

MAINTENANCE PERFORMED ON SITE: ____

EQUIPMENT PROBLEMS OR FAILURES: ____

SUGGESTIONS, ADDITIONS, CHANGES: ____

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# B-2176A OFFSET CALIPER FIELD LOG

SITE: EXELON VICTORIA COUNTY COL DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~C. CARTER~~ R. STELLER 11/13/07 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-2176A OFFSET LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED ✓
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210' ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 210'
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: Ø TIME SINCE LAST CIRCULATION: ≈ 4HR

LOGGING CREW: ~~C. CARTER~~ R. STELLER 11/13/07
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 10:30
ARRIVED ON SITE: 11:00
STANDBY TIME: CAUSE:
LOGGING STARTED: 18:45 LOGGING COMPLETED: 19:31

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SITE: EXELON VICTORIA COUNTY COL B-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~C. CARTER~~ R. STELLER 11/13/07 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 | Ø |
| DEPTH REF. OFFSET AT START | 6.82' |
| DEPTH REF. OFFSET AT END | 6.80 |
| AFTER SURVEY DEPTH ERROR | -0.02' LESS THAN 0.4%? YES |

| LOG NAME | START DEPTH | START TIME | END DEPTH | END TIME |
|---|---|---|---|---|
| B2176AOFFSETCALTEST01 | Ø | 18:45 | Ø | 18:48 |
| B2176AOFFSETUP01 | 205.0' | 18:58 | 6.0' | 19:20 |
| B2176AOFFSETCALTEST02 | Ø | 19:28 | Ø | 19:31 |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |

| CALIBRATION PLATE S/N 201 | | AS BUILT | | | PVC FITTING |
|---|---|---|---|---|---|
| | | 1.968 IN | 3.937 IN | 8.000 IN | 4.507 IN |
| | FILE NAME | (50 MM) | (100 MM) | (203.2 MM) | (114.3 MM) |
| AS MEAS. | B2176AOFFSETCALTEST01 | 1.97 | 3.91 | 8.01 | 4.57 |
| AS MEAS. | B2176AOFFSETCALTEST02 | 1.96 | 3.91 | 8.01 | 4.49 |
| AS MEAS. | | | | | |
| AS MEAS. | | | | | |
| AS MEAS. | | | | | |
| AS MEAS. | | | | | |

MAINTENANCE PERFORMED ON SITE:_____

EQUIPMENT PROBLEMS OR FAILURES:_____

SUGGESTIONS, ADDITIONS, CHANGES:_____

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# B-2176A OFFSET DEVIATION FIELD LOG

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

DIRECTIONS TO SITE:

GENERAL SITE CONDITIONS/LOCATION:

BOREHOLE DESIGNATION: B-2176A OFFSET LOCATION:

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED ✓
DIAMETERS AND DEPTH RANGES: 5" 0 TO 210' ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 210'
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: Ø TIME SINCE LAST CIRCULATION: 25 HR

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SITE: EXELON VICTORIA COUNTY COL B-2176A OFFSET DATE: 11/13/07
CLIENT: MACTEC JOB: 7501
AUTHOR: ~~C. CARTER~~ R. SCHLEZER PAGE 2 OF 2
LOGGING CREW: ~~C. CARTER~~ 11/13/07 R. SCHLEZER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: VICTORIA, TX DEPARTURE TIME: 10:30
ARRIVED ON SITE: 11:00
STANDBY TIME: CAUSE:
LOGGING STARTED: 19:48 LOGGING COMPLETED: 19:56

WINCH: COMPROBE ___ SILVER ___ OYO ___ RG ✓ OTHER ___
MICROLOGGER 5310 ___ 5772 ✓ OTHER ___
TELEVIEWER 5174 ✓ OTHER ___

PROBE TILT TEST 89.9° BRUNTON TILT 90°
PROBE TILT TEST 9.7° BRUNTON TILT 10°
PROBE TILT TEST 6.2° BRUNTON TILT 6° AFTER LOG
PROBE AZIMUTH TEST 276.1° BRUNTON AZIMUTH 271°
PROBE AZIMUTH TEST 357.7° BRUNTON AZIMUTH 354°
PROBE AZIMUTH TEST 121.4 BRUNTON AZIMUTH 124° AFTER LOG

| | |
|---|---|
| PROBE OFFSET | 1.44M(4.72FT) |
| MINUS CASING STICK-UP | Ø |
| DEPTH REF. OFFSET AT START | 4.72' |
| DEPTH REF. OFFSET AT END | 4.70 |
| AFTER SURVEY DEPTH ERROR | -0.02' LESS THAN 0.4%? YES |

| LOG NAME | START DEPTH | START TIME | END DEPTH | END TIME |
|---|---|---|---|---|
| B2176A OFFSET AMLIPON | 200.0' | 19:48 | 5.0' | 19:56 |
| | | | | |
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MAINTENANCE PERFORMED ON SITE:

EQUIPMENT PROBLEMS OR FAILURES:

SUGGESTIONS, ADDITIONS, CHANGES:

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# B2182A offset BORING GEOPHYSICS FIELD LOG SUMMARY

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

DATE: 11/12/07
JOB: 7501
PAGE 1 OF 1

CONTACT: STEVE CRISENZO

PHONE: 361-972-0198

BOREHOLE CONSTRUCTION: CASED ____ UNCASED X
DIAMETERS AND DEPTH RANGES: 5" 0 TO 410 ft ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 410 ft
CONDUCTOR CASING?: YES X DEPTH TO BOTTOM OF CASING 2' ; 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 | B2182A offELOGTEST01 | | 11/12/07 | 6:04 - 6:05 pm |
| ELOG | B2182A offELOGUP01 | 407.85' - 40.2 ft | 11/12/07 | 6:21 - 6:58 pm |
| P-S velocity | B2182A offSUSPDOWN01 | 2.5m - 121.0m | 11/12/07 | 7:16 pm - 9:02 pm |
| Caliper | B2182A offCALTEST01 | | 11/12/07 | 9:28 - 9:29 pm |
| Caliper | B2182A offCALUP01 | 404.9 - 4.45 ft | 11/12/07 | 9:46 - 10:27 pm |
| Caliper | B2182A offCaltest02 | ~~[illegible]~~ | 11/12/07 | 10:33 - 10:35 pm |
| Deviation | B2182A offDEVUP01 | 405.8' - 3.8' | 11/12/07 | 11:01 - 11:21 pm |
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# B21824 feet ELOG FIELD LOG

SITE: EXELON VICTORIA
DATE: 11/12/07
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:

GENERAL SITE CONDITIONS/LOCATION:

BOREHOLE DESIGNATION: B21824 feet LOCATION: Unit 1

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED X
DIAMETERS AND DEPTH RANGES: 5" 0 TO 410 ft ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 410 ft
CONDUCTOR CASING?: YES X DEPTH TO BOTTOM OF CASING 2' ; 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: Ø TIME SINCE LAST CIRCULATION: 5:30pm

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria TX DEPARTURE TIME: 10:30am
ARRIVED ON SITE: 11:00am
STANDBY TIME: CAUSE:
LOGGING STARTED: 6:21pm LOGGING COMPLETED: 6:58 pm

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SITE: EXELON VICTORIA B2182A offset
DATE: 11/12/07
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) | 32.8 | |
| MINUS CASING STICK-UP | -1.1 | |
| DEPTH REF. OFFSET AT START | 39.9 | |
| DEPTH REF. OFFSET AT END | 39.9 | |
| AFTER SURVEY DEPTH ERROR | 0 | LESS THAN 0.4%? |

| LOG NAME | START DEPTH | START TIME | END DEPTH | END TIME |
|---|---|---|---|---|
| B2182A ELOGTEST01 | | 6:04 pm | | 6:05 pm |
| B2182A ELOGUP01 | 407.85 | 6:21 pm | 40.2 | 6:58 pm |
| | | | | |
| | | | | |
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| | | | | |
| | | | | |

MAINTENANCE PERFORMED ON SITE: ____

EQUIPMENT PROBLEMS OR FAILURES: ____

SUGGESTIONS, ADDITIONS, CHANGES: ____

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# P-S SUSPENSION VELOCITY FIELD LOG

SITE: EXELON VICTORIA B21824 fixed DATE: 11/12/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 1 OF 9

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: B21824 fixed LOCATION: Unit 1

COUNTY: VICTORIA RANGE: TOWNSHIP: SECTION:
BOREHOLE CONSTRUCTION: CASED ____ UNCASED X
DIAMETERS AND DEPTH RANGES: 5" 0 TO 410 ft ; ____, ____ TO ____
BOREHOLE TOTAL DEPTH AS DRILLED: 410 ft
CONDUCTOR CASING?: YES X DEPTH TO BOTTOM OF CASING 2' ; 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: Ø TIME SINCE LAST CIRCULATION: 5:30pm

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SITE: EXELON VICTORIA B21824 Project
CLIENT: MACTEC
AUTHOR: C. CARTER

DATE: 11/12/07
JOB: 7501
PAGE 2 OF 9

LOGGING CREW: C. CARTER
VEHICLE(S) USED AND MILEAGE: RENTAL
MOBILIZED FROM: Victoria, TX
DEPARTURE TIME: 10:30am
ARRIVED ON SITE: 11:00am
STANDBY TIME:
CAUSE:
LOGGING STARTED: 7:16pm
LOGGING COMPLETED: 9:02pm
STANDBY TIME:
CAUSE:
LOGGING STARTED:
LOGGING COMPLETED:
DEMOBILIZED TO:
ARRIVAL TIME:
ADDITIONAL DEMOB TIME:
REASON:

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 ☐ | | |

MAINTENANCE PERFORMED ON SITE:

EQUIPMENT PROBLEMS OR FAILURES:

SUGGESTIONS, ADDITIONS, CHANGES:

COMMENTS: Top of casing = .34m 2.14m = RP
2.19m @ 8:19

# GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA 321824 effect
DATE: 11/12/07
CLIENT: MACTEC
JOB: 7501
AUTHOR: C. CARTER
PAGE 3 OF 9

| 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 | 001 | | 7:16pm |
| 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 321821 offset DATE: 11/12/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 4 OF 9

| DEPTH METERS | DEPTH FEET | UNFILTERED FILE NO. | FILTERED FILE NO. | COMMENTS CASING, WATER, ROCK, ETC |
|---|---|---|---|---|
| 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 B21B2A effect
DATE: 11/12/07
CLIENT: MACTEC
JOB: 7501
AUTHOR: C. CARTER
PAGE 5 OF 9

| 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 | 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 B21B2A offset
DATE: 11/12/07
CLIENT: MACTEC
JOB: 7501
AUTHOR: C. CARTER
PAGE 6 OF 9

| DEPTH METERS | DEPTH FEET | UNFILTERED FILE NO. | FILTERED FILE NO. | 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 | 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 B2182 Offset
DATE: 11/12/07
CLIENT: MACTEC
JOB: 7501
AUTHOR: C. CARTER
PAGE 7 OF 9

| DEPTH METERS | DEPTH FEET | UNFILTERED FILE NO. | FILTERED FILE NO. | COMMENTS CASING, WATER, ROCK, ETC |
|---|---|---|---|---|
| 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 | | |
| 90.5 | 296.92 | 177 | | |
| 91.0 | 298.56 | 178 | | |
| 91.5 | 300.20 | 179 | | |
| 92.0 | 301.84 | 180 | | |
| 92.5 | 303.48 | 181 | | |
| 93.0 | 305.12 | 182 | | |
| 93.5 | 306.76 | 183 | | |
| 94.0 | 308.40 | 184 | | |
| 94.5 | 310.04 | 185 | | |
| 95.0 | 311.68 | 186 | | |
| 95.5 | 313.32 | 187 | | |
| 96.0 | 314.96 | 188 | | |
| 96.5 | 316.60 | 189 | | |
| 97.0 | 318.24 | 190 | | |
| 97.5 | 319.88 | 191 | | |
| 98.0 | 321.52 | 192 | | |
| 98.5 | 323.16 | 193 | | |
| 99.0 | 324.80 | 194 | | |
| 99.5 | 326.44 | 195 | | |
| 100.0 | 328.08 | 196 | | |

# GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B2182A offset DATE: 11/12/07
CLIENT: MACTEC JOB: 7501
AUTHOR: C. CARTER PAGE 8 OF 9

| DEPTH METERS | DEPTH FEET | UNFILTERED FILE NO. | FILTERED FILE NO. | COMMENTS CASING, WATER, ROCK, ETC |
|---|---|---|---|---|
| 100.5 | 329.72 | 197 | | |
| 101.0 | 331.36 | 198 | | |
| 101.5 | 333.01 | 199 | | |
| 102.0 | 334.65 | 200 | | |
| 102.5 | 336.29 | 201 | | |
| 103.0 | 337.93 | 202 | | |
| 103.5 | 339.57 | 203 | | |
| 104.0 | 341.21 | 204 | | |
| 104.5 | 342.85 | 205 | | |
| 105.0 | 344.49 | 206 | | |
| 105.5 | 346.13 | 207 | | |
| 106.0 | 347.77 | 208 | | |
| 106.5 | 349.41 | 209 | | |
| 107.0 | 351.05 | 210 | | |
| 107.5 | 352.69 | 211 | | |
| 108.0 | 354.33 | 212 | | |
| 108.5 | 355.97 | 213 | | |
| 109.0 | 357.61 | 214 | | |
| 109.5 | 359.25 | 215 | | |
| 110.0 | 360.89 | 216 | | |
| 110.5 | 362.53 | 217 | | |
| 111.0 | 364.17 | 218 | | |
| 111.5 | 365.81 | 219 | | |
| 112.0 | 367.45 | 220 | | |
| 112.5 | 369.09 | 221 | | |
| 113.0 | 370.73 | 222 | | |
| 113.5 | 372.38 | 223 | | |
| 114.0 | 374.02 | 224 | | |
| 114.5 | 375.66 | 225 | | |
| 115.0 | 377.30 | 226 | | |
| 115.5 | 378.94 | 227 | | |
| 116.0 | 380.58 | 228 | | |
| 116.5 | 382.22 | 229 | | |
| 117.0 | 383.86 | 230 | | |
| 117.5 | 385.50 | 231 | | |
| 118.0 | 387.14 | 232 | | |
| 118.5 | 388.78 | 233 | | |
| 119.0 | 390.42 | 234 | | |
| 119.5 | 392.06 | 235 | | |
| 120.0 | 393.70 | 236 | | |

# GEOVISION SUSPENSION LOGGING FIELD NOTES

SITE: EXELON VICTORIA B21B24 effect
DATE: 11/12/07
CLIENT: MACTEC
JOB: 7501
AUTHOR: C. CARTER
PAGE 9 OF 9

| DEPTH METERS | DEPTH FEET | UNFILTERED FILE NO. | FILTERED FILE NO. | COMMENTS CASING, WATER, ROCK, ETC |
|---|---|---|---|---|
| 120.5 | 395.34 | 237 | | |
| 121.0 | 396.98 | 238 | | may be on bottom 9:02pm |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |