THIRD QUARTER 2008 REPORT

Operational and Environmental Monitoring Within a Three-Mile Radius of Project Rulison

MARCH 2009

Prepared by:

URS

noble energy

Williams

ENCANA

EnCana Oil & Gas (USA) Inc.

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OPERATIONAL AND ENVIRONMENTAL MONITORING WITHIN A THREE-MILE RADIUS OF PROJECT RULISON

Prepared for:

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LIST OF ACRONYMS

^{228}Ac	actinium-228
^{214}Bi	bismuth-214
BM	Battlement Mesa
CCR	Code of Colorado Regulations
CDPHE	Colorado Department of Public Health and Environment
^{36}Cl	chlorine-36
COC	chain-of-custody
COGCC	Colorado Oil and Gas Conservation Commission
^{137}Cs	cesium-137
DRO	diesel range organics
EnCana	EnCana Oil & Gas (USA) Inc.
GRO	gasoline range organics
J	estimated data qualifier
^{40}K	potassium-40
mg/L	milligram per liter
MRO	motor oil range organics
Noble	Noble Energy Inc.
^{210}Pb	lead-210
^{214}Pb	lead-214
pCi/L	picoCuries per liter
^{228}Ra	radium-228
RSAP	Rulison Sampling and Analysis Plan
^{90}Sr	strontium-90
^{99}Tc	technetium-99
TF	total fraction
^{232}Th	thorium-232
TU	tritium unit
^{238}U	uranium-238
U	Result is less than the detection limit (i.e., not detected)
UJ	Result is estimated below the detection limit (i.e., not detected)
µg/L	microgram per liter
µR/Hr	microRoentgen per hour
URS	URS Corporation
Williams	Williams Production RMT

1 Introduction

This quarterly report presents the third quarter, July 1 through September 30, 2008, operational and environmental monitoring results for Noble Energy Inc. (Noble), EnCana Oil & Gas (USA) Inc. (EnCana), and Williams Production RMT (Williams) natural gas drilling and production operations within a three-mile radius of the former Project Rulison site near Rulison, Colorado. Monitoring activities for the third quarter included the following:

- Real-time radiation monitoring during drilling of Noble Tier I gas wells Battlement Mesa (BM) 36-23C and BM 36-13B on the 36L pad in monitoring sector 7;
- Sampling and analysis of drill cuttings from the Williams Fork Formation interval in Noble Tier I gas well BM 36-13B in monitoring sector 7;
- First gas delivery sampling and analysis of produced water and natural gas at two (2) Noble Tier II producing gas wells on the 34C pad, BM 34-11D and BM 34-12A in monitoring sector 9, and one (1) Williams Tier II producing gas well SP 31-13 in monitoring sector 1;
- Sampling drilling fluids (i.e., drilling mud) prior to and at the completion of drilling at Noble Tier I gas well BM 26-33B in monitoring sector 10, Noble Tier I gas wells BM 26-33C, BM 26-33D, BM 26-34A in monitoring sector 9, and Noble Tier I gas well BM 36-13B in monitoring sector 7;
- Quarterly sampling of natural gas and produced water at three (3) Noble Tier I producing gas wells, BM 35-32A, BM 36-13, and BM 36-23.
- Conditions of Approval (COA) sampling and analysis of drill cuttings and fluids at EnCana Tier II well Federal Hagen 15-13BB in monitoring sector 11; and
- COA sampling and analysis of drill cuttings, fracing water and comingled flowback water at the Noble's 26N and 34C pads in monitoring sector 9.

Sampling and analysis was performed in accordance with the Rulison Sampling and Analysis (RSAP) Revision 2 dated March 31, 2008 (URS 2008).

2 Tier I Monitoring

2.1 Tier I Drilling Monitoring

2.1.1 Background Radiation Surveys

No background radiation surveys were performed during the third quarter 2008. Drilling continued on pads that were previously surveyed during the second quarter 2008.

2.1.2 Dosimetry

Ambient radiation monitoring was performed using Landauer X-9 thermoluminescent environmental dosimeters deployed in personnel work areas to measure cumulative ambient radiation intensities while drilling Tier I wells on Noble's 36L pad. Passive radiation dosimeters were placed at four locations on the well pad [i.e., drilling control room (i.e., "dog house"), company man's trailer, tool pusher's trailer, and at the shaker tables] and at one background location (Battlement Creek bridge on High Mesa Road) prior to drilling Noble Tier I gas well BM 36-23C on June 26, 2008. The dosimeters remained at the 36L pad until drilling was completed at Noble Tier I gas well BM 36-13B on August 20, 2008. The exposed dosimeters were sent to Landauer Inc. in Glenwood, Illinois for analysis and reporting. The dosimeter results are discussed in Section 5.1 and summarized in Table 1.

2.1.3 Real-Time Tritium Monitoring

Real-time tritium monitoring was performed during drilling of Noble Tier I gas wells BM 36-23C and BM 36-13B between June 26, 2008 and August 20, 2008. Real-time tritium monitoring was performed using a Canberra Model TAM 100D Tritium Monitor that was mounted on the drilling fluid and cuttings return outfall (i.e., "possum belly"), the first point where these materials are brought up from the subsurface. Tritium monitor measurements were logged 24 hours a day, 7 days a week (24/7) during drilling on a personal computer (PC). The real-time tritium monitoring results are discussed in Section 5.2.

2.1.4 Real-Time Gamma Radiation Monitoring

Real-time gamma radiation monitoring was performed during drilling of Noble Tier I gas wells BM 36-23C and BM 36-13B between June 26, 2008 and August 20, 2008. Real-time gamma radiation monitoring was performed using a Ludlum Model 375 Area Monitor equipped with a Model 44-10 2 inch x 2 inch sodium iodide [NaI(Tl)] gamma scintillator, Ludlum Model 375 Area Monitor equipped with a Model 375-336 168 cubic inch (in^3) plastic scintillation detector, and a Berkley Nucleonics Corporation (BNC) 1035 AreaSAM gamma spectrometer equipped

with a 3" x 3" NaI(Tl) gamma scintillator. The gamma radiation monitors were also mounted on the drilling fluid and cuttings return outfall (i.e., "possum belly"). The gamma radiation monitors were logged 24/7 during drilling on a PC. The real-time gamma radiation monitoring results are discussed in Section 5.3.

2.1.5 Drilling Fluid Sampling and Analysis

Grab samples of drilling fluid (i.e., drilling mud) were collected at Noble gas wells prior to and at the completion of drilling within the Williams Fork Formation interval at Noble Tier I gas well BM 36-13B on the 36L pad and Tier I gas wells BM 26-33B, 26-33C, 26-33D, and 26-34A on the 26N pad. The grab sample was collected from the mud tanks using a pre-cleaned, disposal bailer. Sample aliquots were placed directly in the appropriately preserved laboratory-supplied sample bottles. Once filled, the sample bottles were capped, labeled, documented on the COC, and placed in an iced cooler.

The iced sample coolers were shipped by overnight carrier to the analytical laboratories for analysis of the radiological analytes listed in Table 3 of the RSAP (URS 2008). The analytical laboratories used included GEL Laboratories LLC in Charleston, South Carolina (for radionuclides other than tritium [^{3}H]) and Isotech Laboratories, Inc. in Champaign, Illinois (for ^{3}H).

The analytical results are included in the laboratory data packages in Appendix A and are summarized in Table 2. Laboratory data were independently validated by URS. Data validation reports are included in Appendix B. Field sampling records are included in Appendix C. The analytical results are discussed in Section 5.5.

2.1.6 Williams Fork Formation Drill Cuttings Sampling and Analysis

Two composite samples and one field duplicate of drill cuttings were obtained from the Williams Fork Formation interval in Noble Tier I gas well BM 36-13B. The cuttings collected represent depth intervals (corrected for dip and distance) that are approximately equivalent to the Project Rulison test interval. The cuttings were collected at approximately 50 foot intervals to create composite samples at approximately 500 foot intervals between the depths of 8,215 and 8,715 and 8,715 and 9,215 feet below ground surface. The 10 sample aliquots collected in each interval were placed directly in a clean 5-gallon bucket and composited. Composite sample aliquots were placed in the laboratory-supplied sample bottles. Once filled, the sample bottles were capped, labeled, documented on the COC, and placed in an iced cooler.

The iced sample coolers were shipped by overnight carrier to the analytical laboratories for analysis of the radiological analytes listed in Table 3 of the RSAP (URS 2008). The analytical laboratory used included GEL Laboratories LLC in Charleston, South Carolina.

The analytical results are included in the laboratory data packages in Appendix A and are summarized in Table 2. Laboratory data were independently validated by URS. Data validation reports are included in Appendix B. Field sampling records are included in Appendix C. The analytical results are discussed in Section 5.5.

2.1.7 Gamma-Ray Log Review

Where available, open- or cased-hole gamma-ray logs through the Williams Fork Formation interval in Tier I gas wells were reviewed to determine whether any evidence of Project Rulison-related gamma radiation was encountered in the hole. The results of the gamma log review are discussed in Section 5.4.

2.2 Tier I Completion Monitoring

No Tier I gas wells were completed during the third quarter 2008.

2.3 Tier I Production Monitoring

2.3.1 First Gas Delivery Sampling and Analysis

No Tier I gas wells were brought into production during the third quarter 2008.

2.3.2 Quarterly Tier I Well Sampling and Analysis

Quarterly sampling of produced water and natural gas was performed at three existing Noble Tier I gas wells BM 35-32A, BM 36-13, and BM 36-23 on September 18, 2008. These wells were sampled to fulfill RSAP requirements for quarterly sampling of the existing Tier I wells for one year. Quarterly sampling is also required for the closest Tier I gas well within each monitoring sector. At present, Noble Tier I wells BM 36-13 and BM 35-32A are also the closest wells within monitoring sectors 6 and 8, respectively.

Produced water and natural gas at these wells was sampled in accordance with the RSAP (URS 2008). Produced water was obtained from an effluent line at the separator. If more than one gas well was plumbed to the separator, valves were closed by the company representative to isolate the gas well of interest. The residual fluids in the produced water and natural gas lines were discharged so that a well-specific sample was obtained.

Samples were collected by gently discharging produced water from the separator line into a decontaminated 5-gallon bucket until full. Sample aliquots were then taken from the 5-gallon bucket and placed in the appropriately preserved laboratory-supplied sample bottles. Once filled, the sample bottles were capped, labeled, documented on the COC, and placed in an iced cooler. Field parameters, temperature, pH, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity, were measured on a separate sample aliquot at the well site.

Natural gas was sampled by connecting a braided steel sampling hose between the sampling port on the separator line and a laboratory-supplied, evacuated 20-pound gas tank. The sampling hose was flushed with natural gas prior to collecting the sample. The gas tanks are shipped under vacuum from the laboratory, so flushing of the gas tank was not required prior to filling. Because the gas sampling tanks are under vacuum, sampling simply involves opening the sampling hose and tank valves and allowing the tank to fill to capacity. Once filled, the valve on the sampling tank and sample port were closed. A company representative returned any closed valves at the separator to their initial configuration.

The iced sample coolers and gas tanks were shipped by overnight carrier to the analytical laboratories for analysis of the radiological and nonradiological analytes listed in Tables 3 and 4 of the RSAP (URS 2008). The analytical laboratories used included GEL Laboratories LLC in Charleston, South Carolina (for radionuclides other than ^{3}H), Paragon Analytics in Fort Collins, Colorado (for non-radionuclides), and Isotech Laboratories, Inc. in Champaign, Illinois (for ^{3}H in produced water and ^{3}H, carbon-14 (^{14}C), and gas composition in natural gas).

The analytical results are included in the laboratory data packages in Appendix A and are summarized in Tables 2 through 6. Laboratory data were independently validated by URS. Data validation reports are included in Appendix B. Field sampling records are included in Appendix C. The analytical results are discussed in Sections 5.5 and 5.6.

3 Tier II Monitoring

3.1 Tier II Drilling Monitoring

3.1.1 Gamma-Ray Log Review

Where available, open- or cased-hole gamma-ray logs through the Williams Fork Formation interval in Tier II gas wells were reviewed to determine whether any evidence of Project Rulison-related gamma radiation was encountered in the hole. The results of the gamma log review are discussed in Section 5.4.

3.2 Tier II Production Monitoring

3.2.1 First Gas Delivery Sampling and Analysis

Noble Tier II gas wells BM 34-11D and 34-12A were brought into production during the third quarter of 2008. First gas sales at BM 34-11D and BM 34-12A occurred on September 6 and 9, 2008, respectively. Produced water and natural gas at these wells was sampled on September 18, 2008. Williams Tier II gas well SP31-13 was also bought into production during the third quarter of 2008. First gas sales at SP31-13 occurred on September 4, 2008. Produced water and natural gas at this wells was sampled on September 25, 2008. These wells were sampled to fulfill the RSAP requirement for sampling new Tier II producing gas wells as soon as possible after fracing but no later than 30 days after first gas delivery.

Produced water and natural gas was sampled and analyzed in accordance with the RSAP as discussed in Section 2.3.2. The analytical results are included in the laboratory data packages in Appendix A and are summarized in Tables 2 through 6. Laboratory data were independently validated by URS. Data validation reports are included in Appendix B. Field sampling records are included in Appendix C. The analytical results are discussed in Sections 5.5 and 5.6.

3.2.2 Quarterly Tier II Well Sampling and Analysis

Quarterly Tier II sampling was attempted at Noble gas well BM 26-42 during the third quarter. At present, BM 26-42 is the closest well within monitoring sector 9 but was not sampled because the well was, and remains, shut in because of drilling activities on the 26N pad.

3.3 Tier II Conditions of Approval (COA) Monitoring

3.3.1 Fracing Flowback Water Sampling and Analysis

Composite samples of fracing and commingled flowback waters were sampled at Noble's 34C pad to fulfill permit COAs. The fracing waters were sampled on August 20 and September 2, 2008. The flowback waters were sampled on September 2, 2008. The flowback waters from these two wells were comingled in the frac tanks used for water storage on the pad.

The composite samples were collected by extracting approximately two (2) liter aliquots of water from each frac tank and gently discharging it in a decontaminated 5-gallon bucket. Composite sample aliquots were then taken from the 5-gallon bucket and placed in the appropriately preserved laboratory-supplied sample bottles. Once filled, the sample bottles were capped, labeled, documented on the COC, and placed in an iced cooler. Field parameters, temperature, pH, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity, were measured on a separate sample aliquot at the well site.

The iced sample coolers were shipped by overnight carrier to the analytical laboratories for analysis of the radiological and nonradiological analytes listed in Tables 3 and 4 of the RSAP (URS 2008). The analytical laboratories used included GEL Laboratories LLC in Charleston, South Carolina (for radionuclides other than ^{3}H), Paragon Analytics in Fort Collins, Colorado (for non-radionuclides), and Isotech Laboratories, Inc. in Champaign, Illinois (for ^{3}H).

The analytical results are included in the laboratory data packages in Appendix A and are summarized in Tables 2 through 5. Laboratory data were independently validated by URS. Data validation reports are included in Appendix B. Field sampling records are included in Appendix C. The analytical results are discussed in Sections 5.5 and 5.6.

3.3.2 Drill Cuttings Sampling and Analysis

Composite samples of drill cuttings were collected from Noble's 34C and 26N pads on July 22 and August 5, 2008, respectively. These samples were collected to fulfill permit COAs. Composite samples of drill cuttings and dewatered drilling mud solids were also collected at EnCana's Tier II gas well Federal Hagen 15-13BB on August 25 and 28 2008, respectively.

The composite samples were prepared by collecting approximately 10 aliquots of drill cuttings or dewater drilling mud solids from the reserve pit and placing them in a clean 5-gallon bucket. The sample aliquots were placed directly in a clean 5-gallon bucket and composited. Composite sample aliquots were placed in the laboratory-supplied sample bottles. Once filled, the sample bottles were capped, labeled, documented on the COC, and placed in an iced cooler.

The iced sample coolers were shipped by overnight carrier to the analytical laboratories for analysis of the radiological analytes listed in Table 3 of the RSAP (URS 2008). The analytical laboratory used included GEL Laboratories LLC in Charleston, South Carolina.

The analytical results are included in the laboratory data packages in Appendix A and are summarized in Table 2. Laboratory data were independently validated by URS. Data validation reports are included in Appendix B. Field sampling records are included in Appendix C. The analytical results are discussed in Section 5.5.

3.3.3 Drilling Fluid Sampling and Analysis

A grab sample of the dewatered drilling mud fluid was collected at EnCana's Tier II Federal Hagen 15-13BB gas well on August 28, 2008 to fulfill permit COAs. The sample was collected by gently discharging approximately 5 gallons of fluid from the storage tank on the well pad. Sample aliquots were then taken from the 5-gallon bucket and placed in the appropriately preserved laboratory-supplied sample bottles. Once filled, the sample bottles were capped, labeled, documented on the COC, and placed in an iced cooler. Field parameters, temperature, pH, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity, were measured on a separate sample aliquot at the well site.

The iced sample coolers were shipped by overnight carrier to the analytical laboratories for analysis of the radiological and nonradiological analytes listed in Tables 3 and 4 of the RSAP (URS 2008). The analytical laboratories used included GEL Laboratories LLC in Charleston, South Carolina (for radionuclides other than ^{3}H), Paragon Analytics in Fort Collins, Colorado (for non-radionuclides), and Isotech Laboratories, Inc. in Champaign, Illinois (for ^{3}H).

The analytical results are included in the laboratory data packages in Appendix A and are summarized in Tables 2 through 5. Laboratory data were independently validated by URS. Data validation reports are included in Appendix B. Field sampling records are included in Appendix C. The analytical results are discussed in Sections 5.5 and 5.6.

4 Annual Areal Environmental Monitoring

Annual areal environmental monitoring was not performed during the third quarter. The annual areal environmental monitoring was performed in October 2008 and will be reported in the 2008 annual environmental monitoring report.

5 Results

5.1 Dosimeter Results

The results of the dosimeter analyses are presented in Table 1. The net doses recorded by the dosimeters ranged between -2.9 millirem and -5.4 millirem (mrem) for the 55 day exposure period between June 26, 2008 and August 20, 2008. The dosimeters were deployed prior to drilling at Noble Tier I gas wells BM 36-13B and BM 36-23 (which was not drilled to total depth). The negative net dose values indicate that the radiation dose recorded by the dosimeters placed in the field are less than the radiation dose recorded by the deploy control dosimeter. These results indicate that the dosimeters did not effectively measure the ambient radiation dose during drilling at the 36L pad. An approximate estimate of the dose rate is provided by the real-time gamma radiation monitoring which indicates an average gamma radiation exposure rate of 4.9 microRoentgen per hour (µR/hr) was encountered during drilling of BM 36-13B. The gamma radiation exposure rate ranged between 3.2 and 7.6 µR/hr at BM 36-13B. This gamma radiation exposure rate is within background.

Table 1. Radiation Dose Measurements Via Dosimeters

Dosimeter Number	Location Description	Net Dose (mrem)	Dose Rate (µrem/hour)
BM36-23C-01	Background at Battlement Creek	-2.9	-2.2
BM36-23C-02	Company Man Trailer	-3.2	-2.4
BM36-23C-03	Tool Pusher Trailer	-5.4	-4.1
BM36-23C-04	Shale Shaker	-3.1	-2.3
BM36-23C-05	Drilling Control Room	-3.4	-2.6

5.2 Real-Time Tritium Monitoring Results

Real-time tritium monitoring was performed during drilling of Noble's Tier I gas wells BM 36-23C and BM 36-13B on the 36L pad. Tritium activity measurements were made at the drilling fluid and cuttings outfall (i.e., possum belly). The results of the real-time tritium monitoring at

Noble's Tier I gas well BM 36-23C, which was only drilled to a depth of 3,319 feet below ground, indicate that the mean tritium activity was 1.88E-7 microCuries per cubic centimeter (μCi/cc). A total of 23,392 tritium activity measurements were recorded during drilling at BM 36-23C. The minimum and maximum tritium activities measured during drilling at BM 36-23C were 1.00E-7 and 5.07E-6 μCi/cc. The tritium activity results are within background. The instrument detection limit is 5.00E-7 μCi/cc.

The results of the real-time tritium monitoring at Noble's Tier I gas well BM 36-13B, which was drilled to a depth of 10,172 feet below ground, indicate that the mean tritium activity was 8.81E-7 μCi/cc. A total of 157,414 tritium activity measurements were recorded during drilling at BM 36-23C. The minimum and maximum tritium activities measured during drilling at BM 36-23C were 1.00E-7 and 5.00E-6 μCi/cc. The tritium activity results are within background. The instrument detection limit is 5.00E-7 μCi/cc.

5.3 Real-Time Gamma Radiation Monitoring Results

Real-time gamma radiation monitoring was performed during drilling of Noble's Tier I gas wells BM 36-23C and BM 36-13B on the 36L pad. Gamma radiation exposure measurements were made at the drilling fluid and cuttings outfall (i.e., possum belly). The results of the real-time gamma ray monitoring at Noble's Tier I gas well BM 36-23C, which was only drilled to a depth of 3319 feet below ground, indicate that the mean gamma radiation exposure rate was 3.7 ± 0.2 μR/hr. A total of 39,824 gamma radiation exposure measurements were recorded during drilling at BM 36-23C. The minimum and maximum gamma radiation exposure rates observed during drilling of BM 36-23C were 2.8 and 7.6 μR/hr. These gamma radiation exposure rates are within the background range for gamma radiation in Colorado.

The results of the real-time gamma ray monitoring at Noble's Tier I gas well BM 36-13B, which was drilled to a depth of 10,172 feet below ground, indicate that the mean gamma radiation exposure rate was 4.9 ± 0.5μR/hr. A total of 245,503 gamma radiation exposure measurements were recorded during drilling at BM 36-13B. The minimum and maximum gamma radiation exposure rates measured were 3.2 and 7.6 μR/hr. These gamma radiation exposure rates are within the background range for gamma radiation in Colorado.

5.4 Gamma-Ray Log Results

The results of the gamma-ray log review for Tier I and II gas wells indicates that none of the gamma-ray measurements exceeded 500 American Petroleum Institute (API) units in the Williams Fork Formation. Gamma-ray intensities measured at wells drilled this quarter are typical of the Williams Fork Formation gamma radiation intensities measured to date. No

evidence of Project Rulison-related gamma radiation was encountered in any of the logs reviewed.

5.5 Tier I and II Radiological Analytical Results

Gross alpha, gross beta, gamma-emitting radionuclides, strontium-90 (^{90}Sr), technetium-99 (^{99}Tc) activities were analyzed in produced water (PW), fracing water (FW), flowback fluid (FB), fluid from dewatered drilling mud (MF), drill cuttings (DC), drilling mud (DM), and dewatered drilling mud (MS) collected at Tier I and II gas wells or well pads during the third quarter 2008. ^{3}H and chlorine-36 (^{36}Cl) were only analyzed in water or fluid (excluding natural gas) samples. ^{3}H and carbon-14(^{14}C) were analyzed in natural gas (NG) from the producing wells sampled.

The results of the radiological analyses are summarized in Table 2. Table 2 includes both radionuclides detected and those that were analyzed but were not detected. The table is sorted so that the detected radionuclides occur at the top. These data were independently validated by URS and most of the radiological results were found to be usable without qualification. Data that are deemed usable as qualified or unusable are identified in the data validation reports (Appendix B).

5.5.1 Gross Alpha Results

Gross alpha activities in produced water (PW), fracing water (FW), flowback fluid (FB), dewatered drilling mud fluid (MF) ranged between not detected (< 2.45) and 129 ± 26.6 picoCuries per liter (pCi/L). Gross alpha activity was generally reported at an elevated reporting activity because of the high total dissolved solids (TDS) concentration of these fluid samples. The high TDS concentrations resulted in the evaporation of a smaller sample volume during analysis because the gross alpha analytical method limits the residue after evaporation to 100 milligrams or less. The highest gross alpha activity detected (129 ± 26.6 pCi/L) occurred in produced water from Williams Tier II gas well SP 31-13. The gross alpha activity detected is related to naturally occurring alpha-emitting radionuclides, primarily ^{238}U, ^{232}Th, and their daughter products (Figures 2 and 3), found in the subsurface formation fluids or in waters used for drilling or completion.

Gross alpha activities in drill cuttings (DC), drilling mud (DM), and dewatered drilling mud solid (MS) ranged between 13.5 ± 4.77 (J) and 30.1 ± 6.93 picoCuries per gram (pCi/g). The lowest gross alpha activity detected occurred in drilling mud obtained prior to spudding at Noble's Tier I gas well BM 26-33B. The highest gross alpha activity detected (30.1 ± 6.93 pCi/g) occurred in drilling mud obtained prior to drilling within the Williams Fork Formation while drilling Noble

Tier I well BM 36-13B. The gross alpha activity detected is related to naturally occurring alpha-emitting radionuclides, primarily ^{238}U, ^{232}Th, and their daughter products (Figures 2 and 3), found in the drilling mud and subsurface rock formations.

5.5.2 Gross Beta Results

Gross beta activities in produced water, fracing water, flowback fluid, and dewatered drilling mud fluid ranged between 45.5 ± 18.5 and 8,380 ± 188 pCi/L. The highest gross beta activity detected (8,380 ± 188 pCi/L) occurred in fracing water (prior to its use) from Noble's Tier II 34C pad. The lowest gross beta activity detected (45.5 ± 18.5 pCi/L) occurred in produced water from Noble's Tier I BM 36-13 gas well, the closest producing gas well to Project Rulison.

The elevated gross beta activities are related to naturally occurring potassium-40 (^{40}K) in the subsurface formation fluids or waters used for drilling and completion. ^{40}K activities in these fluids ranged between 90.2 ± 47.3 and 13,100 ± 953 pCi/L. These values are consistent with the gross beta activites reported above. The highest ^{40}K activity detected (13,100 ± 953 pCi/L) occurred in fracing water (prior to use) from Noble's Tier II 34C pad. The lowest ^{40}K activity detected (90.2 ± 47.3 pCi/L) occurred in produced water at Noble's Tier I gas well BM 36-23.

Gross beta activities in drill cuttings, drilling mud, and dewatered drilling mud solid ranged between 20.2 ± 4.8 and 64.2 ± 5.88 pCi/g. The highest gross beta activity detected (64.2 ± 5.88 pCi/g) occurred in drill cuttings from EnCana's Tier II Federal Hagen 15-13BB well. The lowest gross beta activity detected (20.2 ± 4.8 pCi/g) occurred in drill cuttings from Noble's Tier II 34C pad reserve pit.

The elevated gross beta activities are typically related to naturally occurring potassium-40 (^{40}K) in the subsurface rock formations or drilling mud constituents. ^{40}K is one of the most abundant naturally occurring radionuclides and primarily occurs in the clay and mica minerals that comprise the surface soils and shales found in the subsurface and drilling mud. ^{40}K activities in these solid media ranged between 9.09 ± 1.24 and 24.3 ± 1.96 pCi/g. The highest ^{40}K activity detected (24.3 ± 1.96 pCi/g) occurred in dewatered drilling mud solid from EnCana's Tier II Federal Hagen 15-13BB well. The lowest ^{40}K activity detected (9.09 ± 1.24 pCi/g) occurred in drill cuttings from EnCana's Tier II Federal Hagen 15-13BB gas well.

5.5.3 ^{3}H Results

^{3}H, the most abundant and mobile radionuclide in the inventory at Project Rulison, was not detected above the reporting concentration in any of the produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples analyzed during the third quarter 2008. The ^{3}H reporting concentrations ranged between less than 10 and less than 17 tritium units (TU). One

TU equals 1 tritium atom per 10^{18} hydrogen atoms or approximately 3.19 pCi/L (Kazemi et al. 2006). Thus, the ^{3}H activities in these fluid samples ranged between less than 32 to less than 54 pCi/L. The Colorado Department of Public Health and Environment (CDPHE) basic ground water standard for ^{3}H is 20,000 pCi/L (CDPHE 2008).

5.5.4 ^{90}Sr and ^{99}Tc Results

^{90}Sr and ^{99}Tc, common radionuclides in the inventory at Project Rulison, were not detected above their reporting activities in any of the fluid media (produced water, fracing water, flowback fluid, dewatered drilling mud fluid) or solid media (drill cuttings, drilling mud, and dewatered drilling mud solid) samples analyzed during the third quarter 2008. The ^{90}Sr and ^{99}Tc fluid media reporting activities ranged between less than 0.578 and less than 1.69 pCi/L, and less than 22.4 and less than 45.4 pCi/L, respectively. The ^{90}Sr and ^{99}Tc solid media reporting activities ranged between less than 0.103 and less than 0.862 pCi/g, and less than 2.40 and less than 4.41 pCi/g, respectively.

5.5.5 ^{36}Cl Results

^{36}Cl, a less common radionuclide in the inventory at Project Rulison, was not detected above its reporting activities in most of the produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples analyzed during the third quarter 2008. The ^{36}Cl reporting activities ranged between less than 144 and less than 480 pCi/L. ^{36}Cl was detected in two samples, fracing water (prior to use) at Noble's 34C pad (221 ± 120 pCi/L) and produced water at Noble's Tier I gas well BM 35-32A gas well [241 ± 127 (J) pCi/L]. The ^{36}Cl result at BM 35-32A was qualified as estimated (J) during validation because the matrix spike was outside the upper acceptance limit which suggests a potential high bias for the result. Because of the high bias, this result may represent a false positive. Previous (April 9, 2008) and subsequent (September 18, 2008) ^{36}Cl results at BM 35-32A were not detected. The fracing water used at the 34C pad was obtained from sources outside the Project Rulison area, thus, the ^{36}Cl result at BM 35-32A does not represent Project Rulison radionuclide contamination.

5.5.6 Gamma-Emitting Radionuclide Results

Most of the gamma-emitting radionuclides in fluid media (produced water, fracing water, flowback fluid, dewatered drilling mud fluid) and solid media (drill cuttings, drilling mud, and dewatered drilling mud solid) samples analyzed during the third quarter 2008 were not detected above their reporting activities. Table 2 provides a summary of the gamma-emitting radionuclide results.

The only gamma-emitting radionuclides detected were those that naturally occur in the subsurface formation fluids and rocks in the Williams Fork Formation and drilling mud cconstituents. Naturally occurring gamma-emitting radionuclides detected included actinium-228 (^{228}Ac), bismuth-214 (^{214}Bi), ^{40}K, lead-210 (^{210}Pb), lead-212 (^{212}Pb), lead-214 (^{214}Pb), radium-226 (^{226}Ra), radium-228 (^{228}Ra), thallium-208 (^{208}Tl), thorium-230 (^{230}Th), and thorium-234 (^{234}Th). All of these radionuclides, except for ^{40}K, are decay products of the thorium-232 (^{228}Ac, ^{212}Pb, ^{228}Ra, and ^{208}Tl) and uranium-238 (^{214}Bi, ^{210}Pb, ^{214}Pb, ^{226}Ra, and ^{234}Th) decay series. The thorium and uranium series decay chains are shown as Figures 2 and 3.

5.5.7 Tritium and ^{14}C in Natural Gas Results

^{3}H was not detected above the reporting concentration in natural gas samples collected at producing gas wells during the third quarter. ^{3}H reporting concentrations ranged between less than 5 and less than 13.3 TU (Table 2). One TU equals 1 tritium atom per 10^{18} hydrogen atoms or approximately 3.19 pCi/L (Kazemi et al. 2006). Thus, the ^{3}H activities in these gas samples ranged between less than 16 and less than 42 pCi/L.

^{14}C concentrations in the methane fraction of the natural gas samples ranged between not detected (< 0.3) and 0.7 ± 0.1 percent modern carbon (pMC) as shown in Table 2. ^{14}C is reported as pMC which is set by convention as 13.56 decays per minute per gram of carbon (Kazemi et al. 2006), or 100 pMC. ^{14}C results less than 1 pMC indicate that modern ^{14}C is not present in the gas and that the natural gas has been isolated from sources of modern ^{14}C such as Project Rulison.

5.5.8 Radiological Results Summary

Project Rulison-related radionuclides, including the most abundant radionuclides in the Project Rulison inventory (Table 1 in URS 2008), ^{3}H, ^{137}Cs, or ^{90}Sr were not detected above their reporting activities in any of the produced water, fracing water, flowback fluid, dewatered drilling mud fluid, drill cuttings, drilling mud, dewatered drilling mud solid, or natural gas samples analyzed. ^{36}Cl detected in produced water at BM35-32A appears to be a false positive based on previous and subsequent ^{36}Cl results at this well which were not detected. ^{36}Cl detected in fracing water prior to its use on the 34C pad is not sourced from Project Rulison, as the fracing water was obtained from sources outside of the Project Rulison monitoring zone. The only gamma-emitting radionuclides detected were those that naturally occur in the subsurface formation fluids and rocks in the Williams Fork Formation and drilling mud clays and fluids.

5.6 Tier I and II Non-Radiological Analytical Results

Total metal and inorganic and organic constituent concentrations were analyzed for produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples collected during the third quarter 2008. The composition of the natural gas samples from producing wells was also determined. The results of the nonradiological analyses (i.e., total metals, inorganic parameters, organic constituents, and natural gas composition) are summarized in Tables 3 through 6. Independent data validation by URS indicates that most of the laboratory non-radiological results are usable without qualification. Data that are deemed usable as qualified or unusable are identified in the data validation reports (Appendix B).

5.6.1 Major Cation and Trace Metal Results

Total metals in produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples analyzed during the third quarter were determined for major cations (calcium, magnesium, sodium, and potassium) and trace metals (arsenic, barium, boron, cadmium, chromium, iron, lead, lithium, manganese, mercury, selenium, strontium, and uranium). The analytical results indicate that these metals are detected at varying concentrations within each of these media. The results of the major cation and trace metal analyses are summarized in Table 3.

Sodium and potassium are the dominant major cations in the produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples analyzed. The mean sodium and potassium concentrations detected are 5,425,125 micrograms per liter (µg/L) and 1,919,375 µg/L, respectively. Calcium and magnesium in these fluids are found at significantly lower concentrations compared to sodium and potassium. The mean calcium and magnesium concentrations are 365,125 µg/L and 28,438 µg/L, respectively.

Barium, iron, strontium, boron, lithium, and manganese are the dominant trace metals in produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples analyzed. Mean barium, iron, strontium, lithium, boron, and manganese concentrations in flowback fluids and produced water are 70,586, 45,481, 37,390, 3,283, 3,083, and 1,001 µg/L, respectively. Mean concentrations of less common trace metals, chromium (21 µg/L), lead (18 µg/L), and arsenic (13 µg/L), are less than 25 µg/L. The mean concentrations of the remaining trace metals analyzed, selenium (3.13 µg/L), uranium (2.52 µg/L), cadmium (0.59 µg/L), and mercury (0.15 µg/L), , are less than 5 µg/L.

5.6.2 Major and Minor Anion and pH Results

Major and minor anions and pH in produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples were analyzed during the third quarter. The results of these analyzes

are summarized in Table 4. Chloride is the dominant major anion in the fluid samples analyzed. The mean chloride concentration is 12,402 milligrams per liter (mg/L). Chloride is the primary constituent comprising the mean total dissolved solids (TDS) concentration (22,875 mg/L). The next most abundant major anion in produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples is bicarbonate (as $CaCO_3$) whose mean concentration is 1,042 mg/L. Bicarbonate is the primary constituent comprising the mean total alkalinity (as $CaCO_3$) of 1,042 mg/L. The mean pH for produced water, fracing water, flowback fluid, dewatered drilling mud fluid is 7.16, which is consistent with bicarbonate being the dominant carbonate component in these fluids.

Sulfate, bromide and ammonia (as N) are the predominant minor anions in produced water, fracing water, flowback fluid, dewatered drilling mud fluid, with mean concentrations of 185, 48, and 33 mg/L, respectively. The occurrence of ammonia suggests that these fluids are generally reducing, resulting in the reduction of nitrogen to a -3 oxidation state. The reducing conditions are also consistent with the high dissolved iron concentrations and iron oxyhydroxide precipitates observed during sampling.

5.6.3 Gasoline, Diesel, and Motor Oil Constituent Results

Produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples were analyzed for gasoline, diesel, and motor oil range constituents during the third quarter 2008. The results of these analyses are summarized in Table 5. These fluid media had a mean dissolved petroleum hydrocarbon concentration of 326 mg/L. The mean dissolved petroleum hydrocarbons are comprised of 205 mg/L diesel range organics (DRO), 111 mg/L gasoline range organics (GRO), and 9 mg/L motor oil range organics (MRO). Mean dissolved benzene, ethylbenzene, toluene, m+p-xylenes, and o-xylenes (BTEX) concentrations are 8,978, 3,084, 32,164, 42,793, and 7,175 µg/L, respectively. Total xylenes (53 percent) and toluene (34 percent) comprise the bulk of the dissolved BTEX constituents in the produced water, fracing water, flowback fluid, dewatered drilling mud fluid samples. The mean dissolved methane concentration in these fluid media is 1,688 µg/L.

5.6.4 Gas Composition Results

The composition of the natural gas was determined during the third quarter 2008. The results of these analyses are summarized in Table 6. Natural gas composition analyses indicate that methane is the predominant component of the gas. The mean methane gas component comprises 90.32 percent. Ethane (4.36 percent), carbon dioxide (2.91 percent), and propane (1.20 percent) comprise the next most abundant natural gas components. These four constituents comprise about 99 percent of the natural gas. The remaining 1 percent is comprised of nitrogen (0.27

percent), n-butane (0.25 percent), iso-butane (0.24 percent), C6+ (0.19 percent), iso-pentane (0.10 percent), n-pentane (0.07 percent), and oxygen (0.06 percent).

The mean heating value at base conditions (14.696 pound per square inch atmosphere and 60 degrees Fahrenheit [^{o}F]; ASTM 2003) is 1056 British thermal units per cubic foot (BTU/Ft^{3}). The mean relative gas density (calculated as the ratio of natural gas density to air density, ρ_g/ρ_a) is 0.605. The mean δ^{13}C value of the methane (C1) gas fraction is -37.03 which suggests that the methane is thermogenic in origin.

5.6.5 Nonradiological Results Summary

The third quarter 2008 nonradiological results for produced waters, fracing waters, flowback fluids, drilling fluids, and dewatered drilling mud fluids are consistent with the nonradiological results reported for these media (where analyzed) during the second quarter 2008.

References

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Kazemi, G. A., J. H. Lehr, and P. Perrochet. 2006. Groundwater Age, Wiley-Interscience, John Wiley & Sons, Inc., Hoboken, New Jersey, 325 pp.

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Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	9/18/2008	NG	FD	14C1	0.6	0.1	----	pMC		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	14C1	0.7	0.1	----	pMC		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Ac-228	1.11	0.279	0.203	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Ac-228	1.16	0.291	0.196	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Ac-228	2.14	0.49	0.338	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Ac-228	1.73	0.352	0.202	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Ac-228	1.56	0.394	0.264	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Ac-228	1.72	0.422	0.251	pCi/g		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Ac-228	18.8	16.9	12	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Ac-228	18.3	11.5	9	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Ac-228	23.5	14.6	11.3	pCi/L		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Ac-228	0.882	0.328	0.247	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Ac-228	0.753	0.393	0.228	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Ac-228	1.53	0.319	0.243	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Ac-228	1.62	0.323	0.207	pCi/g		Yes
BM36-23	Tier I	08/08/08	PW	SA	Ac-228	42.6	12.9	11.3	pCi/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Ac-228	26.7	14.2	14.5	pCi/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Ac-228	27.5	14.5	11.4	pCi/L		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Ac-228	0.979	0.261	0.166	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Ac-228	1.71	0.32	0.191	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Ac-228	1.47	0.322	0.18	pCi/g		Yes
PAD34C	Tier II	09/02/08	FB	SA	Ac-228	14.5	13.6	9.98	pCi/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Ac-228	73.7	27.3	18.2	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Ac-228	73.8	16.2	12.4	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Ac-228	51.7	22.6	19	pCi/L		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Bi-214	0.926	0.165	0.107	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Bi-214	0.912	0.171	0.111	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Bi-214	1.35	0.313	0.166	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Bi-214	1.22	0.201	0.13	pCi/g		Yes

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM26-33D	Tier I	09/10/08	DM	SA	Bi-214	0.984	0.21	0.143	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Bi-214	0.896	0.186	0.127	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Bi-214	0.856	0.169	0.127	pCi/g		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Bi-214	0.927	0.166	0.104	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Bi-214	1.13	0.191	0.109	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Bi-214	1.07	0.172	0.106	pCi/g		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Bi-214	51.7	8.83	6.78	pCi/L		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Cl-36	241	127	202	pCi/L	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	Cl-36	221	120	192	pCi/L		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Gross Alpha	17.4	5.53	3.95	pCi/g	J	Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Gross Alpha	14.8	5.05	3.25	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Gross Alpha	13.5	4.77	3.75	pCi/g	J	Yes
BM26-33C	Tier I	09/15/08	DM	SA	Gross Alpha	24.4	6.27	3.27	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Gross Alpha	18.8	5.06	3.02	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Gross Alpha	24.5	6.09	3.75	pCi/g		Yes
BM36-13	Tier I	09/18/08	PW	SA	Gross Alpha	46.3	21.5	30.4	pCi/L	J	Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Gross Alpha	15.9	5.25	3.66	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Gross Alpha	14.2	4.74	3.29	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Gross Alpha	15.4	4.96	3.43	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Gross Alpha	30.1	6.93	3.82	pCi/g		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Gross Alpha	64.8	29.2	43.1	pCi/L		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Gross Alpha	16.1	4.37	2.64	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Gross Alpha	15.5	5.44	3.8	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Gross Alpha	84.5	33.2	48	pCi/L	J	Yes
PAD34C	Tier II	07/22/08	DC	SA	Gross Alpha	15.9	5.26	3.72	pCi/g		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Gross Alpha	129	26.6	20.7	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Gross Alpha	123	29.5	31.7	pCi/L		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Gross Beta	25	4.83	5.38	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Gross Beta	27.7	5.35	5.21	pCi/g		Yes

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM26-33B	Tier I	09/22/08	DM	SA	Gross Beta	30	5.28	4.95	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Gross Beta	24.8	4.89	4.89	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Gross Beta	22.5	4.16	4.61	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Gross Beta	29.5	4.54	4.4	pCi/g		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Gross Beta	95.6	47.7	77.5	pCi/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Gross Beta	132	24.2	34	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Gross Beta	45.5	18.5	28.7	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Gross Beta	96.3	23.4	34.7	pCi/L		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Gross Beta	22.3	5.27	6.35	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Gross Beta	26.8	4.97	5.18	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Gross Beta	21.7	4.54	5	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Gross Beta	29.8	5	5.1	pCi/g		Yes
BM36-23	Tier I	08/08/08	PW	SA	Gross Beta	64.4	35.2	51.9	pCi/L	J	Yes
BM34-11D	Tier II	09/18/08	PW	SA	Gross Beta	94.2	22.2	32.4	pCi/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Gross Beta	131	21.6	28.6	pCi/L		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Gross Beta	64.2	5.88	4.48	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Gross Beta	26.4	5.25	5.68	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Gross Beta	120	26.2	38.2	pCi/L		Yes
PAD34C	Tier II	07/22/08	DC	SA	Gross Beta	20.2	4.8	5.26	pCi/g		Yes
PAD34C	Tier II	08/20/08	FW	SA	Gross Beta	639	18	13.7	pCi/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Gross Beta	350	9.2	5.52	pCi/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Gross Beta	2110	43.7	24	pCi/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Gross Beta	647	36.2	28.4	pCi/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Gross Beta	1310	62.3	62.2	pCi/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Gross Beta	8380	188	86.9	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Gross Beta	171	23.3	28.6	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Gross Beta	133	21.8	28.4	pCi/L		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	K-40	23.1	2.1	0.437	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	K-40	18.9	1.9	0.491	pCi/g		Yes

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM26-33B	Tier I	09/22/08	DM	SA	K-40	16	2.57	0.971	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	K-40	18.3	2.21	0.502	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	K-40	17.3	2.01	0.803	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	K-40	17.5	2	0.66	pCi/g		Yes
BM35-32A	Tier I	07/15/08	PW	SA	K-40	402	73.1	37	pCi/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	K-40	322	59	37.2	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	K-40	96.1	35.3	32	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	K-40	126	48.1	37.9	pCi/L		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	K-40	16.9	1.85	0.53	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	K-40	13.3	1.7	0.548	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	K-40	14.1	1.87	0.663	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	K-40	22.6	2.07	0.586	pCi/g		Yes
BM36-23	Tier I	08/08/08	PW	SA	K-40	90.2	47.3	34.9	pCi/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	K-40	458	71.8	41.5	pCi/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	K-40	485	68	31.9	pCi/L		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	K-40	9.09	1.24	0.472	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	K-40	24.3	1.96	0.415	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	K-40	113	43.6	28.8	pCi/L		Yes
PAD34C	Tier II	07/22/08	DC	SA	K-40	16.7	1.73	0.486	pCi/g		Yes
PAD34C	Tier II	08/20/08	FW	SA	K-40	1130	110	33.1	pCi/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	K-40	450	62.1	28.7	pCi/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	K-40	2770	240	34.5	pCi/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	K-40	2130	182	28.7	pCi/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	K-40	7730	608	36.4	pCi/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	K-40	13100	953	42.8	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	K-40	847	92.6	27.8	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	K-40	828	123	32.7	pCi/L		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Pb-210	1.47	0.965	0.987	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Pb-210	1.5	0.598	0.647	pCi/g		Yes

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD26N	Tier I or II	08/05/08	DC	SA	Pb-212	0.93	0.115	0.0835	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Pb-212	1.33	0.137	0.0913	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Pb-212	2	0.271	0.142	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Pb-212	1.8	0.214	0.0969	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Pb-212	1.66	0.167	0.0989	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Pb-212	1.91	0.221	0.113	pCi/g		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Pb-212	1.24	0.164	0.0964	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Pb-212	1.18	0.144	0.0954	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Pb-212	1.35	0.151	0.0969	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Pb-212	1.5	0.154	0.0741	pCi/g		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Pb-212	0.887	0.11	0.0752	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Pb-212	1.57	0.149	0.084	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Pb-212	1.12	0.152	0.0939	pCi/g	J	Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Pb-214	1.06	0.163	0.105	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Pb-214	1.08	0.162	0.115	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Pb-214	1.48	0.303	0.176	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Pb-214	1.72	0.243	0.112	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Pb-214	1.12	0.192	0.139	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Pb-214	1.35	0.201	0.141	pCi/g		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Pb-214	0.981	0.18	0.114	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Pb-214	0.955	0.164	0.103	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Pb-214	0.892	0.19	0.113	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Pb-214	1.31	0.18	0.104	pCi/g		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Pb-214	14.7	7.58	6.77	pCi/L		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Pb-214	1.12	0.164	0.0951	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Pb-214	1.33	0.179	0.103	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Pb-214	1.13	0.169	0.106	pCi/g		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Pb-214	57.3	10.9	7.4	pCi/L		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Ra-226	0.926	0.165	0.107	pCi/g		Yes

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD26N	Tier I or II	09/15/08	DC	SA	Ra-226	0.912	0.171	0.111	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Ra-226	1.35	0.313	0.166	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Ra-226	1.22	0.201	0.13	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Ra-226	0.984	0.21	0.143	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Ra-226	1.36	0.218	0.141	pCi/g		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Ra-226	0.907	0.165	0.126	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Ra-226	0.896	0.186	0.127	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Ra-226	0.856	0.169	0.127	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Ra-226	1.25	0.179	0.109	pCi/g		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Ra-226	0.927	0.166	0.104	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Ra-226	1.13	0.191	0.109	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Ra-226	1.07	0.172	0.106	pCi/g		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Ra-228	1.11	0.279	0.203	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Ra-228	1.16	0.291	0.196	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Ra-228	2.14	0.49	0.338	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Ra-228	1.73	0.352	0.202	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Ra-228	1.56	0.394	0.264	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Ra-228	1.72	0.422	0.251	pCi/g		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Ra-228	18.8	16.9	12	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Ra-228	18.3	11.5	9	pCi/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Ra-228	23.5	14.6	11.3	pCi/L		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Ra-228	0.882	0.328	0.247	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Ra-228	0.753	0.393	0.228	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Ra-228	1.53	0.319	0.243	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Ra-228	1.62	0.323	0.207	pCi/g		Yes
BM36-23	Tier I	08/08/08	PW	SA	Ra-228	42.6	12.9	11.3	pCi/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Ra-228	26.7	14.2	14.5	pCi/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Ra-228	27.5	14.5	11.4	pCi/L		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Ra-228	0.979	0.261	0.166	pCi/g		Yes

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MS	SA	Ra-228	1.71	0.32	0.191	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Ra-228	1.47	0.322	0.18	pCi/g		Yes
PAD34C	Tier II	09/02/08	FB	SA	Ra-228	14.5	13.6	9.98	pCi/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Ra-228	73.7	27.3	18.2	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Ra-228	73.8	16.2	12.4	pCi/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Ra-228	51.7	22.6	19	pCi/L		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Th-230	0.926	0.165	0.107	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Th-230	0.912	0.171	0.111	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Th-230	1.35	0.313	0.166	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Th-230	1.22	0.201	0.13	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Th-230	0.984	0.21	0.143	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Th-230	1.36	0.218	0.141	pCi/g		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Th-230	0.907	0.164	0.126	pCi/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Th-230	0.896	0.186	0.127	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Th-230	0.856	0.169	0.127	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Th-230	1.25	0.179	0.109	pCi/g		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Th-230	0.927	0.166	0.104	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Th-230	1.13	0.191	0.109	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Th-230	1.07	0.172	0.106	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Th-234	3.78	2.18	1.97	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Th-234	1.36	1.1	1.18	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Th-234	1.39	0.822	0.732	pCi/g		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Tl-208	0.26	0.0689	0.0507	pCi/g		Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Tl-208	0.373	0.079	0.0583	pCi/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Tl-208	0.614	0.128	0.0985	pCi/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Tl-208	0.626	0.0938	0.0594	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	Tl-208	0.46	0.107	0.0732	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Tl-208	0.583	0.113	0.0793	pCi/g		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Tl-208	0.387	0.0771	0.061	pCi/g		Yes

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13B-02	Tier I	08/15/08	DC	SA	Tl-208	0.404	0.0862	0.0648	pCi/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Tl-208	0.321	0.0907	0.0647	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	Tl-208	0.485	0.0848	0.0572	pCi/g		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Tl-208	0.344	0.0701	0.0502	pCi/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Tl-208	0.494	0.0797	0.0485	pCi/g		Yes
PAD34C	Tier II	07/22/08	DC	SA	Tl-208	0.499	0.0836	0.054	pCi/g		Yes
BM26-33D	Tier I	09/10/08	DM	SA	U-238	3.78	2.18	1.97	pCi/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	U-238	1.36	1.1	1.18	pCi/g		Yes
BM36-13B	Tier I	08/08/08	DM	SA	U-238	1.39	0.822	0.732	pCi/g		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	14C1	0.4	----	----	pMC	U	No
BM35-32A	Tier I	9/18/2008	NG	SA	14C1	0.5	----	----	pMC	U	No
BM36-13	Tier I	9/18/2008	NG	SA	14C1	0.6	----	----	pMC	U	No
BM36-23	Tier I	7/8/2008	NG	sa	14C1	0.8	----	----	pMC	U	No
BM36-23	Tier I	9/18/2008	NG	SA	14C1	0.4	----	----	pMC	U	No
BE11-43	Tier II	7/8/2008	NG	SA	14C1	0.3	----	----	pMC	U	No
BE11-44	Tier II	7/8/2008	NG	SA	14C1	0.3	----	----	pMC	U	No
BM34-11D	Tier II	9/18/2008	NG	SA	14C1	0.3	----	----	pMC	U	No
CL15-23	Tier II	7/8/2008	NG	SA	14C1	0.4	----	----	pMC	U	No
CL15-24	Tier II	7/8/2008	NG	SA	14C1	0.4	----	----	pMC	U	No
CW15-33D	Tier II	7/8/2008	NG	SA	14C1	0.3	----	----	pMC	U	No
CW15-34	Tier II	7/8/2008	NG	SA	14C1	0.4	----	----	pMC	U	No
FE28-15X	Tier II	7/8/2008	NG	FD	14C1	0.5	----	----	pMC	U	No
FE28-15X	Tier II	7/8/2008	NG	SA	14C1	0.5	----	----	pMC	U	No
GF21-15	Tier II	7/8/2008	NG	SA	14C1	0.5	----	----	pMC	U	No
SP31-13	Tier II	9/25/2008	NG	SA	14C1	0.4	----	----	pMC	U	No
SP31-13	Tier II	9/25/2008	NG	FD	14C1	0.6	----	----	pMC	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	09/18/08	PW	SA	Ac-228	21.1	12.7	21.5	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ac-228	-5.38	7.26	10.4	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ac-228	6.46	8.56	14.1	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ac-228	4.37	8.6	13.3	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ac-228	11.3	17.2	17.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ac-228	7.9	13.7	22.3	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ag-110m	-0.0193	0.033	0.0546	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ag-110m	-0.00668	0.0334	0.0573	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ag-110m	-0.0514	0.0543	0.082	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ag-110m	-0.00912	0.0369	0.0626	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Ag-110m	0.0109	0.0432	0.0736	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Ag-110m	0.0215	0.0457	0.0811	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ag-110m	-0.178	2.16	3.64	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ag-110m	0.453	2.26	3.88	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ag-110m	-0.182	1.56	2.64	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Ag-110m	1.26	1.96	3.55	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ag-110m	0.028	0.0374	0.0668	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ag-110m	-0.0328	0.0384	0.0603	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Ag-110m	0.00613	0.0361	0.0621	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ag-110m	0.0228	0.0282	0.0516	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ag-110m	-1.5	1.97	3.09	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Ag-110m	-0.615	2.4	3.99	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ag-110m	-0.0116	2.06	3.49	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ag-110m	0.0153	0.0285	0.0499	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Ag-110m	0.000426	0.0295	0.0493	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ag-110m	-0.222	1.64	2.67	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ag-110m	0.00623	0.031	0.0525	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ag-110m	-0.218	1.98	3.24	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ag-110m	-1.59	1.75	2.6	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Ag-110m	-1.72	2.43	3.85	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ag-110m	0.11	1.6	2.74	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ag-110m	0.695	2.63	4.55	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ag-110m	-4.15	2.76	4.32	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ag-110m	-0.67	2.06	3.42	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Ag-110m	1.81	2.91	5.13	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Am-241	0.0518	0.17	0.266	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Am-241	0.0545	0.167	0.301	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Am-241	0.0617	0.37	0.586	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Am-241	0.14	0.239	0.435	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Am-241	0.167	0.158	0.246	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Am-241	0.0816	0.0717	0.119	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Am-241	-5.16	15	22.4	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Am-241	-3.02	3.99	6.09	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Am-241	-3.06	8.56	13.8	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Am-241	-6.28	19.4	30.2	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Am-241	0.0548	0.183	0.284	pCi/g	UJ	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Am-241	-0.297	0.188	0.291	pCi/g	UJ	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Am-241	-0.098	0.199	0.3	pCi/g	UJ	No
BM36-13B	Tier I	08/08/08	DM	SA	Am-241	0.0391	0.0473	0.0754	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Am-241	-1.09	11.8	19	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Am-241	-7.61	16.3	26.2	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Am-241	4.41	6.96	12.1	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Am-241	-0.0643	0.136	0.217	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Am-241	0.0627	0.133	0.199	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Am-241	2.51	12.3	18.5	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Am-241	0.0523	0.152	0.256	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Am-241	12.9	12.6	21.4	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Am-241	-2.55	8.55	12.3	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Am-241	13.2	13.5	21.3	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Am-241	7.07	14.4	24.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Am-241	0.571	22	37.5	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Am-241	-8.55	15.5	25.5	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Am-241	-0.93	10.3	16.8	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Am-241	-27.3	19.4	31	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ba-133	0.0293	0.0412	0.0652	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ba-133	-0.000401	0.0454	0.0679	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ba-133	-0.00591	0.0736	0.108	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ba-133	0.0164	0.0486	0.0755	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Ba-133	0.022	0.068	0.0877	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Ba-133	-0.00543	0.0573	0.0847	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ba-133	-0.992	3.68	5.27	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ba-133	-1.92	3.18	4.42	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ba-133	0.269	2.58	3.8	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Ba-133	-0.493	3.34	4.42	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ba-133	0.0192	0.051	0.0766	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ba-133	-0.0273	0.0487	0.0658	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Ba-133	-0.0046	0.0471	0.0687	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ba-133	-0.0243	0.0447	0.0632	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ba-133	-1.4	3.08	4.19	pCi/L	UJ	No
BM34-11D	Tier II	09/18/08	PW	SA	Ba-133	0.511	3.71	5.39	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ba-133	0.991	2.86	4.34	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ba-133	0.0305	0.0384	0.0636	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Ba-133	0.0127	0.0415	0.0615	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ba-133	-1.02	2.38	3.99	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ba-133	0.0163	0.0421	0.0671	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ba-133	-1.62	2.51	4.14	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ba-133	0.881	3.01	4.47	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Ba-133	-1.35	3.29	4.57	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ba-133	0.328	2.32	3.46	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ba-133	0.999	3.71	5.56	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ba-133	-1.28	4.1	5.83	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ba-133	-0.475	3.08	4.42	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Ba-133	5.87	4.56	7.17	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ba-140	-0.0955	0.17	0.281	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ba-140	-0.217	0.24	0.357	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ba-140	0.189	0.545	0.932	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ba-140	0.082	0.279	0.473	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Ba-140	0.152	0.596	1.03	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Ba-140	0.298	0.802	1.36	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ba-140	2.7	11.8	20.7	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ba-140	-19	23.1	35.7	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ba-140	-7.05	17.6	29.1	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Ba-140	1.16	23.6	38.8	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ba-140	-0.00871	0.367	0.626	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ba-140	0.0695	0.34	0.583	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Ba-140	0.383	0.365	0.644	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ba-140	-0.0561	0.185	0.312	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ba-140	3.07	9.23	15.3	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Ba-140	-33.2	32.3	39.4	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ba-140	-12.6	19.8	31.6	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ba-140	0.163	0.176	0.308	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Ba-140	-0.0913	0.187	0.303	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ba-140	-2.29	13.1	20.4	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ba-140	-0.00552	0.146	0.246	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ba-140	-27.2	30.3	44.3	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ba-140	16.1	29	50.4	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Ba-140	6.86	35.7	61.6	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ba-140	9.32	9.07	14.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ba-140	11.9	13.9	22.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ba-140	-4.18	13	21.8	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ba-140	3.41	18.5	32.3	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Ba-140	12.3	28.2	49.1	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Be-7	0.205	0.262	0.47	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Be-7	0.244	0.308	0.553	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Be-7	-0.114	0.552	0.896	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Be-7	-0.256	0.322	0.505	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Be-7	-0.226	0.436	0.729	pCi/g	UJ	No
BM26-34A	Tier I	09/04/08	DM	SA	Be-7	0.00276	0.489	0.822	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Be-7	-5.23	20	32	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Be-7	-7.39	21.4	34	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Be-7	-16.7	18	26.9	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Be-7	-5.12	20.2	32.6	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Be-7	0.269	0.348	0.608	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Be-7	0.278	0.333	0.591	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Be-7	0.133	0.36	0.611	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Be-7	-0.0718	0.287	0.467	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Be-7	-7.53	15.4	25.3	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Be-7	-0.698	23.1	37.9	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Be-7	6.18	19.1	32.3	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Be-7	-0.0169	0.223	0.377	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Be-7	0.0801	0.285	0.475	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Be-7	-14.1	16.4	25.6	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Be-7	0.36	0.246	0.469	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Be-7	11	21.9	38.6	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Be-7	-13.2	19.5	31.1	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Be-7	-3.16	25.5	43.4	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Be-7	-15	17.4	24.1	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Be-7	-9.95	24.3	37.1	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Be-7	-0.275	23	39.4	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Be-7	7.09	21.8	36.6	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Be-7	10.3	30.9	51.9	pCi/L	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Bi-212	0.634	0.441	0.693	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Bi-212	4.88	17.3	30	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Bi-212	1.19	18.6	30.2	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Bi-212	-2.38	12.1	20	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Bi-212	9.6	15.7	28.3	pCi/L	U	No
BM36-23	Tier I	08/08/08	PW	SA	Bi-212	15.3	15.3	27.9	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Bi-212	-5.84	18.7	30.7	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Bi-212	5.25	17.3	28.7	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Bi-212	-2.73	14.1	22.6	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Bi-212	0.588	0.533	0.598	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Bi-212	2.69	15.9	26.5	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Bi-212	5	14	23.9	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Bi-212	-0.523	19.1	31.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Bi-212	12.5	13.8	24.5	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Bi-212	6.31	22.2	38.2	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Bi-212	16.7	24.4	41.7	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Bi-212	8.62	16.4	29	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Bi-212	2.78	26.8	41.7	pCi/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Bi-214	0	9.08	11.9	pCi/L	UI	No
BM36-13	Tier I	09/18/08	PW	FD	Bi-214	3.84	7.01	9.76	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Bi-214	7	8.96	11.4	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Bi-214	-0.143	4.71	7.17	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Bi-214	-4.25	5.55	7.41	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Bi-214	2.08	5	6.57	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Bi-214	6.27	7.7	9.7	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Bi-214	9.8	9.19	11.1	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ce-139	-0.00225	0.0263	0.0468	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ce-139	0.0113	0.0296	0.0511	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ce-139	-0.0134	0.0479	0.0776	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ce-139	0.00725	0.0308	0.0525	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Ce-139	-0.00388	0.0317	0.0543	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Ce-139	0.0165	0.0378	0.0657	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ce-139	-1.11	2.43	3.87	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ce-139	0.0858	1.74	2.9	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ce-139	-1.02	1.74	2.89	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Ce-139	0.706	2.18	3.62	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ce-139	-0.000221	0.0319	0.0529	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ce-139	0.00692	0.0319	0.0555	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Ce-139	-0.0183	0.0327	0.0522	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ce-139	0.00914	0.0228	0.0397	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ce-139	-0.704	1.84	3.06	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Ce-139	0.548	2.54	4.36	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ce-139	-0.635	1.93	3.08	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ce-139	-0.0111	0.0236	0.0395	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Ce-139	-0.0206	0.0277	0.0448	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ce-139	-1.02	1.8	2.95	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ce-139	0.00336	0.0266	0.046	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-139	0.416	2.04	3.48	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-139	-0.531	1.85	3.08	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-139	0.344	2.3	3.99	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ce-139	0.0567	1.69	2.76	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ce-139	-0.102	2.49	4.07	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	09/02/08	FW	SA	Ce-139	-0.355	2.39	4.11	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ce-139	-0.858	2.16	3.65	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Ce-139	-1.85	3.18	5.08	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ce-141	0.0205	0.051	0.0929	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ce-141	0.0991	0.0614	0.112	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ce-141	0.0421	0.114	0.194	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ce-141	-0.0177	0.066	0.111	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Ce-141	-0.0126	0.102	0.171	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ce-141	-1.34	4.7	7.23	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ce-141	-2.36	4.61	6.82	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ce-141	1.09	4.18	7.26	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Ce-141	1.03	5.13	8.51	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ce-141	-0.021	0.0739	0.122	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ce-141	-0.0125	0.0734	0.122	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ce-141	-0.0239	0.0458	0.0762	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ce-141	2.23	3.42	5.57	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Ce-141	2.11	5.88	10.2	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ce-141	2.72	4.8	7.71	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ce-141	0.0227	0.0475	0.0818	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Ce-141	0.0406	0.06	0.101	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ce-141	1.32	4.15	6.46	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ce-141	-0.0413	0.0495	0.0803	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-141	1.34	5.52	9.51	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-141	0.943	5.17	7.98	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-141	1.27	6.26	10.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ce-141	1.16	3.55	5.26	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ce-141	-0.116	4.72	7.76	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ce-141	5.87	4.65	8.24	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ce-141	-2.04	5.7	8.92	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	PW	FD	Ce-141	-3.46	7.57	12.3	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ce-144	-0.0613	0.187	0.329	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ce-144	-0.0882	0.235	0.343	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ce-144	0.0101	0.302	0.507	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ce-144	0.0613	0.21	0.362	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Ce-144	0.0653	0.222	0.362	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Ce-144	-0.00613	0.269	0.408	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ce-144	-1.55	16.8	27.7	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ce-144	1.08	12.2	20.6	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ce-144	6.61	12.8	21.8	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Ce-144	13	15.5	26.4	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ce-144	0.0534	0.215	0.364	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ce-144	-0.127	0.223	0.377	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Ce-144	-0.0885	0.229	0.355	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ce-144	-0.0494	0.152	0.259	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ce-144	5.32	13.5	23.3	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Ce-144	-10.9	19.3	29.1	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ce-144	4.33	13.8	23	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ce-144	-0.039	0.156	0.269	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Ce-144	0.0456	0.206	0.31	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ce-144	-1.3	13	22.1	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ce-144	0.0607	0.184	0.326	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-144	-3.9	13.6	23	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-144	-2.77	11.4	19.2	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ce-144	6.45	16.4	27.1	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ce-144	4.94	12.1	20.2	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ce-144	3.81	18.2	30.2	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ce-144	-0.631	19.2	31	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ce-144	-15.3	15.1	24.8	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	PW	FD	Ce-144	2.31	22.1	36.7	pCi/L	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Cl-36	2.42	2.67	4.44	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Cl-36	3.86	2.63	3.97	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Cl-36	-3.74	5.12	11.1	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Cl-36	9.32	6.86	10.6	pCi/g	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Cl-36	1.72	237	412	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Cl-36	-38.1	236	415	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Cl-36	325	263	435	pCi/L	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Cl-36	0.838	2.3	4.14	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Cl-36	85.9	86.3	144	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Cl-36	-173	272	480	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Cl-36	-101	249	439	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Cl-36	-132	122	224	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cl-36	130	127	213	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cl-36	182	149	246	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Cl-36	213	172	285	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cl-36	239	164	268	pCi/L	UJ	No
PAD34C	Tier II	09/02/08	FW	SA	Cl-36	86.8	179	306	pCi/L	UJ	No
SP31-13	Tier II	9/25/2008	PW	SA	Cl-36	86.3	97.9	165	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Cl-36	67.6	124	211	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Co-56	-0.0152	0.0331	0.0539	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Co-56	-0.0326	0.0339	0.0522	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Co-56	-0.0254	0.0624	0.0985	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Co-56	0.0257	0.0397	0.0713	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Co-56	-0.0127	0.0601	0.0978	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Co-56	-0.00923	0.0582	0.0964	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Co-56	-0.247	2.35	3.87	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Co-56	-1.69	2.78	4.28	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Co-56	-0.667	1.8	2.89	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Co-56	0.711	2.44	4.22	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Co-56	-0.00844	0.0415	0.0672	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Co-56	0.00915	0.0452	0.0775	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Co-56	0.00704	0.0442	0.0747	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Co-56	0.00368	0.0368	0.0617	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Co-56	-0.279	1.92	3.13	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Co-56	0.569	2.64	4.54	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Co-56	-1.13	2.31	3.65	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Co-56	-0.0104	0.0313	0.0517	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Co-56	0.00324	0.0358	0.0611	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Co-56	-0.746	1.93	3.16	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Co-56	-0.0266	0.033	0.0517	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-56	-2.54	2.13	3.12	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-56	-0.318	2.27	3.85	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-56	-2.15	3.39	5.3	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Co-56	0.563	1.85	3.17	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-56	1.12	3.05	5.22	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-56	-3.34	3.58	5.66	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Co-56	1.2	2.18	3.85	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Co-56	0.000551	3.19	5.28	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Co-57	-0.0207	0.0219	0.0381	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Co-57	0.00651	0.0254	0.0442	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Co-57	-0.00189	0.0376	0.0631	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Co-57	0.0114	0.0264	0.0462	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Co-57	-0.00797	0.0269	0.0432	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Co-57	0.000585	0.0287	0.0499	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Co-57	-1.39	2.09	3.35	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Co-57	0.175	1.54	2.62	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Co-57	1.59	1.57	2.83	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Co-57	-0.662	2.1	3.42	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Co-57	-0.0011	0.0261	0.0438	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Co-57	-0.0343	0.0264	0.0432	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Co-57	0.0143	0.0256	0.0441	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Co-57	0.00106	0.018	0.0315	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Co-57	-0.396	1.62	2.74	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Co-57	1.74	2.32	4.08	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Co-57	0.718	1.74	2.92	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Co-57	-0.00227	0.0195	0.0339	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Co-57	-0.00173	0.0231	0.0392	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Co-57	0.564	1.66	2.9	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Co-57	0.0033	0.0221	0.0391	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-57	-0.782	1.72	2.89	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-57	1.51	1.43	2.58	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-57	1.09	2.1	3.49	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Co-57	-1.61	1.74	2.46	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-57	0.606	2.54	4.01	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-57	-0.405	2.41	3.9	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Co-57	-0.365	1.91	3.28	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Co-57	1.73	2.81	4.77	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Co-58	0.00237	0.0362	0.0623	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Co-58	-0.0373	0.039	0.0613	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Co-58	-0.0577	0.0642	0.0938	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Co-58	-0.0195	0.0409	0.0664	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Co-58	-0.0445	0.0541	0.0841	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Co-58	0.00893	0.0582	0.0996	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Co-58	0.94	2.23	3.91	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Co-58	1.23	2.62	4.55	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Co-58	-0.85	1.9	3.05	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Co-58	-0.849	2.54	4.12	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Co-58	-0.0365	0.0458	0.07	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Co-58	-0.0323	0.042	0.0646	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Co-58	-0.0414	0.0453	0.0679	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Co-58	-0.00442	0.0385	0.0634	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Co-58	-0.182	1.8	2.96	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Co-58	-0.0554	2.6	4.37	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Co-58	-2	2.34	3.55	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Co-58	-0.0106	0.0317	0.0525	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Co-58	0.0171	0.0321	0.0567	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Co-58	0.568	1.8	3.19	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Co-58	-0.0331	0.0324	0.0486	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-58	2.4	2.52	4.68	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-58	-0.333	2.03	3.44	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-58	-1.93	3.29	5.17	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Co-58	-1.12	1.71	2.76	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-58	-0.833	3.09	5.14	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-58	-1.12	3.44	5.61	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Co-58	-1.18	2.21	3.53	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Co-58	-1.8	3.44	5.45	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Co-60	0.0109	0.036	0.064	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Co-60	0.0212	0.033	0.0598	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Co-60	-0.0446	0.0611	0.0885	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Co-60	0.00613	0.0398	0.069	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Co-60	0.0298	0.0486	0.0856	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Co-60	-0.0224	0.0454	0.0714	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Co-60	-1.1	2.77	4.25	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Co-60	2.22	2.27	4.24	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Co-60	-0.364	1.44	2.36	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Co-60	0.666	2.3	4.05	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Co-60	-0.017	0.0421	0.0659	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Co-60	0.0228	0.0436	0.0788	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Co-60	0.0303	0.0416	0.0762	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Co-60	0.00517	0.0406	0.068	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Co-60	1.47	2.22	4.03	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Co-60	-0.68	2.75	4.35	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Co-60	0.227	2.15	3.67	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Co-60	-0.00515	0.0346	0.0554	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Co-60	0.000528	0.0338	0.057	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Co-60	0.319	1.89	3.19	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Co-60	-0.0138	0.0382	0.0594	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-60	1.85	2.2	4.03	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-60	2.22	1.58	3.2	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Co-60	0.66	2.62	4.49	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Co-60	0.482	1.96	3.38	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-60	-1.68	3.43	5.64	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Co-60	2.34	4	6.86	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Co-60	0.26	2.18	3.78	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Co-60	3.19	2.92	5.44	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Cr-51	-0.0111	0.286	0.492	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Cr-51	-0.22	0.323	0.538	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Cr-51	0.588	0.628	1.16	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Cr-51	-0.128	0.361	0.611	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Cr-51	0.369	0.591	1.01	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Cr-51	0.00157	0.644	1.11	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Cr-51	5.77	22.5	38.7	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Cr-51	-19.1	25.2	40.6	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Cr-51	4.87	23.6	39.9	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Cr-51	13.7	29.5	51.4	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Cr-51	0.182	0.459	0.794	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Cr-51	-0.109	0.438	0.725	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Cr-51	-0.119	0.431	0.717	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Cr-51	-0.00196	0.288	0.499	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Cr-51	4.74	18.2	30.5	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Cr-51	-9.77	34.2	56	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Cr-51	-5.42	28.8	42.6	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Cr-51	0.0226	0.288	0.474	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Cr-51	0.00161	0.317	0.535	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Cr-51	-6.46	20.5	32.4	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Cr-51	0.102	0.292	0.491	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cr-51	14.9	31.6	53	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cr-51	5.12	27.1	44.7	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cr-51	6.46	36.8	61.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Cr-51	2.47	16.3	27.7	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cr-51	-0.973	25.3	42.7	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cr-51	-2.99	25.9	42.9	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Cr-51	2.33	27	45.2	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Cr-51	-36.6	38.8	61.7	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Cs-134	0.0301	0.0379	0.0693	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Cs-134	0.054	0.0739	0.136	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Cs-134	0.037	0.0624	0.107	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Cs-134	0.109	0.0921	0.111	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Cs-134	1.09	3.09	4.52	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Cs-134	2.7	2.87	5.18	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Cs-134	1.3	2.1	3.77	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Cs-134	1.55	2.54	4.55	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Cs-134	0.0465	0.0433	0.0788	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13B-02	Tier I	08/15/08	DC	SA	Cs-134	0.0745	0.0491	0.0925	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Cs-134	0.0435	0.0809	0.0902	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Cs-134	0.0653	0.0669	0.0864	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Cs-134	1.74	2.17	3.89	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Cs-134	2.31	3.2	5.72	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Cs-134	0.132	2.33	3.93	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Cs-134	0.0367	0.0388	0.072	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Cs-134	1.81	1.87	3.53	pCi/L	UJ	No
PAD34C	Tier II	07/22/08	DC	SA	Cs-134	0.067	0.0424	0.0811	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-134	-0.293	2.03	3.44	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-134	-0.277	2.03	3.25	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-134	-2.13	2.58	3.94	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Cs-134	0.93	2.03	3.51	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cs-134	0.697	3.66	6.12	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Cs-134	4.41	4.47	4.97	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Cs-134	5.44	3.77	6.94	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Cs-136	0.000632	0.0799	0.134	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Cs-136	0.0372	0.102	0.178	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Cs-136	-0.26	0.25	0.341	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Cs-136	-0.0309	0.111	0.178	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Cs-136	-0.0993	0.262	0.433	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Cs-136	0.031	0.274	0.475	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Cs-136	-0.273	4.85	8.25	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Cs-136	-4.22	8.59	13.7	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Cs-136	-2.97	6.73	10.6	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Cs-136	-0.408	8.39	13.8	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Cs-136	0.0735	0.148	0.262	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Cs-136	-0.0453	0.131	0.208	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Cs-136	-0.114	0.149	0.231	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13B	Tier I	08/08/08	DM	SA	Cs-136	-0.0403	0.0907	0.147	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Cs-136	0.0206	3.23	5.53	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Cs-136	1.39	8.9	15.1	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Cs-136	-2.79	7.28	11.3	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Cs-136	0.00441	0.0566	0.0962	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Cs-136	-0.0228	0.0888	0.145	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Cs-136	-0.963	4.72	7.74	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Cs-136	-0.000442	0.069	0.116	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-136	-6.05	11.5	18.1	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-136	1.47	9.92	17.1	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-136	5.63	16.6	29	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Cs-136	-1.42	3.86	6.22	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cs-136	-7.82	6.85	10.6	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cs-136	0.344	7.62	13	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Cs-136	-1.64	7.69	12.5	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Cs-136	4.86	11.1	19.5	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Cs-137	-0.00377	0.0378	0.065	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Cs-137	-0.0169	0.0351	0.0588	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Cs-137	-0.00905	0.0537	0.0957	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Cs-137	-0.0201	0.0432	0.0732	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Cs-137	0.028	0.0456	0.0791	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Cs-137	-0.000427	0.0476	0.0816	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Cs-137	0.59	2.37	4.11	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Cs-137	-0.99	2.39	3.88	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Cs-137	0.0509	1.71	2.92	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Cs-137	-0.00536	0.037	0.0616	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Cs-137	0.00283	0.0392	0.067	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Cs-137	-0.00109	0.0388	0.0655	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Cs-137	-0.0231	0.0325	0.0516	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-23	Tier I	08/08/08	PW	SA	Cs-137	1.13	1.95	3.45	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Cs-137	-0.622	2.47	4.1	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Cs-137	0.233	2.09	3.58	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Cs-137	-0.0434	0.0337	0.0479	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Cs-137	-0.00548	0.0331	0.0546	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Cs-137	0.0122	1.8	2.98	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Cs-137	-0.00787	0.0361	0.0586	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-137	0.812	1.98	3.4	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-137	1.09	1.81	3.18	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Cs-137	1.71	2.58	4.54	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Cs-137	0.46	1.8	3.11	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cs-137	-0.439	2.9	4.91	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Cs-137	0.999	3.29	5.23	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Cs-137	1.58	2.33	4.15	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Cs-137	-1.93	3.25	5.24	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Eu-152	0.073	0.108	0.152	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Eu-152	0.0335	0.128	0.157	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Eu-152	0.129	0.154	0.255	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Eu-152	0.00555	0.0964	0.155	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Eu-152	0.0316	0.128	0.188	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Eu-152	0.0261	0.149	0.198	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Eu-152	4.74	7.54	12.3	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Eu-152	5.29	6.03	10.4	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Eu-152	0.153	5.55	8.12	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Eu-152	-0.71	6.75	10.4	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Eu-152	0.0357	0.167	0.168	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Eu-152	0.125	0.164	0.181	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Eu-152	0.0428	0.103	0.173	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Eu-152	-0.00719	0.092	0.138	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-23	Tier I	08/08/08	PW	SA	Eu-152	-2.16	6.82	9.46	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Eu-152	-3.48	10.9	13.1	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Eu-152	4.4	5.68	9.74	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Eu-152	0.0125	0.0829	0.136	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Eu-152	-0.102	0.0989	0.14	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Eu-152	3.29	5.29	9.52	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Eu-152	0.059	0.0848	0.14	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-152	2.29	5.42	9.64	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-152	-3.56	5.06	8.36	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-152	-4.33	6.7	10.6	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Eu-152	-1.39	5.6	8.17	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Eu-152	-8.78	7.82	12.1	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Eu-152	-4.77	8.47	13.3	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Eu-152	0.511	7.26	10.6	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Eu-152	1.53	10.7	14.8	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Eu-154	-0.018	0.118	0.2	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Eu-154	-0.0106	0.109	0.179	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Eu-154	0.138	0.173	0.33	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Eu-154	0.041	0.116	0.207	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Eu-154	-0.014	0.138	0.229	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Eu-154	-0.149	0.128	0.183	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Eu-154	0.469	6.73	11.5	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Eu-154	2.92	6.43	11.3	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Eu-154	2.4	4.87	8.57	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Eu-154	-0.776	5.53	9.21	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Eu-154	-0.12	0.14	0.21	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Eu-154	-0.0237	0.13	0.218	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Eu-154	-0.0827	0.122	0.186	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Eu-154	0.0197	0.131	0.221	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-23	Tier I	08/08/08	PW	SA	Eu-154	0.235	5.98	10.2	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Eu-154	2.54	7.04	12.6	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Eu-154	-2.16	6.41	10.4	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Eu-154	0.0381	0.0886	0.156	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Eu-154	-0.0077	0.106	0.178	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Eu-154	1.31	5.39	9.23	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Eu-154	-0.00429	0.106	0.175	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-154	2.12	7.43	12.7	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-154	2.06	5.13	9.01	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-154	-1.84	8.38	13.7	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Eu-154	-1.06	6.2	10.4	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Eu-154	-1.45	11.7	19.8	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Eu-154	-7.93	13.9	22.7	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Eu-154	-0.985	6.71	10.8	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Eu-154	-10.2	8.77	12.6	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Eu-155	-0.0379	0.0936	0.168	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Eu-155	0.00132	0.108	0.188	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Eu-155	0.146	0.168	0.3	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Eu-155	-0.026	0.111	0.189	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Eu-155	0.0604	0.105	0.176	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Eu-155	5.51	8.92	15.3	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Eu-155	-0.46	5.69	9.7	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Eu-155	-1.52	6.54	11.3	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Eu-155	-10.2	8.18	12.7	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Eu-155	0.0367	0.109	0.188	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Eu-155	0.0987	0.112	0.202	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Eu-155	0.0929	0.114	0.199	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Eu-155	0.0657	0.0687	0.126	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Eu-155	-4.9	6.89	11.4	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-11D	Tier II	09/18/08	PW	SA	Eu-155	-1.84	9.55	16.3	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Eu-155	5.19	6.72	11.6	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Eu-155	0.00637	0.0845	0.15	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Eu-155	-0.00447	0.0979	0.168	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Eu-155	-2.41	6.75	11.5	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Eu-155	0.0423	0.0911	0.165	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-155	7.29	7.53	13.6	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-155	2.42	5.94	10.5	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Eu-155	-9.13	9.32	13.8	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Eu-155	8.97	6.52	11.2	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Eu-155	14.4	10.5	18	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Eu-155	-2.84	10.5	17	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Eu-155	-12.4	7.96	13	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Eu-155	17.6	11.9	20.8	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Fe-59	-0.0176	0.0292	0.0485	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Fe-59	-0.0547	0.0879	0.138	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Fe-59	-0.00206	0.171	0.283	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Fe-59	0.0599	0.0942	0.166	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Fe-59	-0.111	0.133	0.21	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Fe-59	-0.0948	0.125	0.197	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Fe-59	2.83	4.34	8	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Fe-59	1.32	6.13	10.5	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Fe-59	3.4	4.15	7.6	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Fe-59	1.13	5.46	9.22	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Fe-59	-0.0167	0.0397	0.0654	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Fe-59	0.0141	0.0395	0.0678	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Fe-59	-0.002	0.0345	0.0582	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Fe-59	0.00884	0.0279	0.0492	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Fe-59	1.58	2	3.46	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-11D	Tier II	09/18/08	PW	SA	Fe-59	1.88	6.45	11.1	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Fe-59	0.0174	5.18	8.87	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Fe-59	-0.0367	0.0622	0.0948	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Fe-59	-0.00513	0.0785	0.129	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Fe-59	1.31	4.17	7.24	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Fe-59	0.00133	0.0306	0.0503	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Fe-59	-1.14	2.45	3.84	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Fe-59	0.389	2.14	3.52	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Fe-59	0.298	2.82	4.72	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Fe-59	-0.768	4.36	7.09	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Fe-59	-5.27	8.26	13.2	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Fe-59	0.489	9.1	15.4	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Fe-59	-5.21	5.73	8.6	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Fe-59	3.08	7.59	13.3	pCi/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Gross Alpha	40.1	36.7	60.4	pCi/L	UJ	No
BM35-32A	Tier I	09/18/08	PW	SA	Gross Alpha	-2.32	32.4	57.6	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Gross Alpha	18.7	20.6	33.8	pCi/L	U	No
BM36-23	Tier I	08/08/08	PW	SA	Gross Alpha	-12.6	28.2	64.8	pCi/L	UJ	No
BM34-12A	Tier II	09/18/08	PW	SA	Gross Alpha	14.4	18.3	30.5	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Gross Alpha	4.45	6.72	11.5	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Gross Alpha	0.452	2.45	4.48	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Gross Alpha	3.56	8.32	14.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Gross Alpha	9.58	25	42.5	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Gross Alpha	18.2	21.7	36.5	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Gross Alpha	-90.8	88.6	107	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Hg-203	0.0134	0.0343	0.0609	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Hg-203	0.0441	0.0405	0.0744	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Hg-203	0.00944	0.071	0.124	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Hg-203	0.0297	0.0407	0.0735	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM26-33D	Tier I	09/10/08	DM	SA	Hg-203	0.0458	0.0554	0.0958	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Hg-203	0.0702	0.0613	0.113	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Hg-203	0.154	2.7	4.61	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Hg-203	-1.54	3.06	4.75	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Hg-203	4.35	2.46	4.52	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Hg-203	-4.37	2.99	4.64	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Hg-203	0.0421	0.0447	0.0797	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Hg-203	0.0481	0.0421	0.0759	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Hg-203	0.0545	0.0657	0.0742	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Hg-203	0.0295	0.0353	0.0644	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Hg-203	-0.615	2.31	3.38	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Hg-203	-0.369	3.42	5.7	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Hg-203	0.499	2.66	4.57	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Hg-203	0.0352	0.0347	0.0612	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Hg-203	0.0414	0.0363	0.0646	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Hg-203	-1.03	2.29	3.63	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Hg-203	-1.27	2.99	4.76	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Hg-203	-0.27	2.68	4.35	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Hg-203	2.5	3.52	6.11	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Hg-203	-0.407	1.93	3.27	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Hg-203	-1.41	2.92	4.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Hg-203	0.407	3.03	5.11	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Hg-203	-1.1	2.76	4.53	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Hg-203	-2.59	4.19	6.88	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ir-192	-0.0542	0.0905	0.143	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ir-192	-0.00492	0.0325	0.056	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ir-192	-0.0265	0.0521	0.0848	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ir-192	0.00431	0.0339	0.0591	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Ir-192	-0.00117	0.0439	0.073	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM26-34A	Tier I	09/04/08	DM	SA	Ir-192	0.0128	0.0464	0.0815	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ir-192	-0.575	2.4	4	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ir-192	0.615	2.24	3.87	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ir-192	-0.233	2.05	3.4	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Ir-192	-0.812	2.47	4.11	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ir-192	-0.0208	0.107	0.176	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ir-192	-0.00395	0.116	0.19	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Ir-192	0.036	0.101	0.178	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ir-192	-0.0401	0.101	0.164	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ir-192	-3.62	3.91	5.95	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Ir-192	-0.903	2.93	4.8	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ir-192	-0.0579	2.16	3.64	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ir-192	-0.00508	0.0281	0.0454	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	IR-192	0.000265	0.0293	0.0495	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ir-192	-0.698	1.9	2.99	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ir-192	-0.0106	0.0737	0.121	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ir-192	0.883	5.99	10.2	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ir-192	-1.57	5.35	8.68	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ir-192	-1.43	8.57	14.3	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ir-192	-0.726	1.74	2.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ir-192	0.182	2.59	4.41	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ir-192	0.568	2.73	4.58	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ir-192	-1.26	2.36	3.83	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Ir-192	2.38	3.3	5.75	pCi/L	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Kr-85	15.1	12	22.2	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Kr-85	14.4	8.64	14.5	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Kr-85	-1730	714	976	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Kr-85	-196	674	1150	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Kr-85	-1650	605	820	pCi/L	UJ	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Kr-85	-1070	658	970	pCi/L	UJ	No
BM36-23	Tier I	08/08/08	PW	SA	Kr-85	-872	600	944	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Kr-85	-1100	712	1120	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Kr-85	-1640	656	903	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Kr-85	11.8	7.02	12.2	pCi/g	UJ	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Kr-85	-555	562	892	pCi/L	UJ	No
PAD34C	Tier II	08/20/08	FW	SA	Kr-85	-848	583	898	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Kr-85	-1410	568	819	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Kr-85	-1380	654	998	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Kr-85	-633	503	786	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Kr-85	-1270	683	1030	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Kr-85	-2350	689	906	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Kr-85	582	777	1370	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Mn-54	0.0143	0.0376	0.0662	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Mn-54	0.0395	0.0363	0.0675	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Mn-54	-0.00757	0.0577	0.0955	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Mn-54	0.00686	0.0379	0.0653	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Mn-54	-0.00384	0.0484	0.0795	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Mn-54	-0.0179	0.048	0.0782	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Mn-54	-0.057	2.46	4.1	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Mn-54	-0.979	2.08	3.25	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Mn-54	-0.593	1.96	2.72	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Mn-54	-0.591	2.06	3.35	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Mn-54	-0.0443	0.0403	0.0592	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Mn-54	-0.0144	0.0408	0.0662	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Mn-54	-0.0177	0.0409	0.065	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Mn-54	0.0567	0.0408	0.075	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Mn-54	-1.22	1.97	3.05	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Mn-54	0.307	2.28	3.88	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-12A	Tier II	09/18/08	PW	SA	Mn-54	-1.08	2.13	3.37	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Mn-54	0.0153	0.032	0.0573	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Mn-54	-0.0169	0.0359	0.0591	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Mn-54	-1	1.56	2.46	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Mn-54	-0.0208	0.0327	0.0525	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Mn-54	0.233	2.04	3.54	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Mn-54	-0.0498	1.72	2.94	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Mn-54	-0.974	2.75	4.41	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Mn-54	0.651	1.71	2.94	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Mn-54	-0.162	2.9	4.85	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Mn-54	-2.46	3.33	5.31	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Mn-54	1.24	2.08	3.67	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Mn-54	1.33	3.14	5.39	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Na-22	-0.0056	0.0422	0.0718	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Na-22	-0.00277	0.0391	0.0645	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Na-22	0.0485	0.0617	0.118	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Na-22	0.0147	0.0417	0.0739	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Na-22	-0.00466	0.0497	0.0826	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Na-22	-0.0526	0.0463	0.0666	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Na-22	0.23	2.41	4.12	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Na-22	1.08	2.31	4.07	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Na-22	0.93	1.76	3.11	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Na-22	-0.395	1.97	3.25	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Na-22	-0.0492	0.0508	0.0753	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Na-22	-0.00798	0.0468	0.0783	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Na-22	-0.0307	0.0437	0.0662	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Na-22	0.00662	0.0468	0.0788	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Na-22	0.0836	2.13	3.62	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Na-22	0.942	2.53	4.52	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-12A	Tier II	09/18/08	PW	SA	Na-22	-0.777	2.3	3.74	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Na-22	0.0141	0.0317	0.0559	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Na-22	-0.0102	0.0384	0.0635	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Na-22	0.469	1.93	3.3	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Na-22	-0.00198	0.0379	0.0621	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Na-22	0.714	2.68	4.57	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Na-22	0.741	1.85	3.25	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Na-22	-0.74	3.01	4.93	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Na-22	-0.364	2.21	3.72	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Na-22	-0.535	4.18	7.07	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Na-22	-2.91	4.95	8.1	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Na-22	-0.307	2.41	3.9	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Na-22	-3.45	3.12	4.52	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Nb-94	0.0141	0.0295	0.0529	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Nb-94	0.0172	0.0326	0.0587	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Nb-94	-0.0102	0.0575	0.0959	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Nb-94	0.00981	0.0347	0.0611	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Nb-94	0.0128	0.0431	0.0732	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Nb-94	-0.0109	0.0442	0.0741	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Nb-94	-0.287	2.08	3.46	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Nb-94	-1.44	2	3.12	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Nb-94	0.111	1.46	2.5	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Nb-94	0.854	1.9	3.36	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Nb-94	0.0106	0.0362	0.0622	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Nb-94	-0.0281	0.0341	0.0532	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Nb-94	-0.0124	0.0348	0.0567	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Nb-94	-0.00161	0.0343	0.0579	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Nb-94	-1.12	2.6	3.03	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Nb-94	-0.406	2.37	3.96	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-12A	Tier II	09/18/08	PW	SA	Nb-94	0.146	1.79	3.06	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Nb-94	0.000228	0.0311	0.0514	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Nb-94	0.000359	0.0308	0.0511	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Nb-94	0.637	1.67	2.86	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Nb-94	0.0225	0.0334	0.0583	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nb-94	-1.21	2.01	3.11	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nb-94	0.132	1.5	2.5	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nb-94	-0.427	2.13	3.51	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Nb-94	-0.0489	1.53	2.6	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nb-94	0.869	2.44	4.22	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nb-94	-0.55	2.78	4.62	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Nb-94	2.15	1.89	3.48	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Nb-94	2.07	2.85	5.03	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Nb-95	0.0103	0.0419	0.0733	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Nb-95	0.00456	0.046	0.0799	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Nb-95	-0.0222	0.0814	0.133	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Nb-95	0.0249	0.0544	0.0852	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Nb-95	0.053	0.0994	0.138	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Nb-95	0.0215	0.0833	0.144	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Nb-95	-1.15	2.39	3.8	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Nb-95	2.26	3.31	5.85	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Nb-95	0.0494	2.33	3.96	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Nb-95	2.24	2.87	5.22	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Nb-95	0.0263	0.0614	0.106	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Nb-95	0.0366	0.0726	0.111	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Nb-95	-0.0327	0.0582	0.0923	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Nb-95	0.0577	0.0486	0.0803	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Nb-95	-1.27	2.17	3.41	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Nb-95	0.00372	3.49	5.89	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-12A	Tier II	09/18/08	PW	SA	Nb-95	1.69	2.88	5.11	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Nb-95	-0.0352	0.0439	0.0549	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Nb-95	0.0533	0.0444	0.078	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Nb-95	-0.643	2.51	3.98	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Nb-95	0.0145	0.0451	0.0672	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nb-95	1.43	3.38	5.76	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nb-95	0.86	2.9	4.91	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nb-95	0.406	3.95	6.63	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Nb-95	-0.923	1.96	3.23	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nb-95	-0.688	3.04	5.07	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nb-95	0.234	3.38	5.64	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Nb-95	-1.85	3.34	4.57	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Nb-95	0.891	5.01	7.79	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Nd-147	0.0444	0.352	0.625	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Nd-147	0.00117	0.484	0.817	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Nd-147	1.03	1.31	2.35	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Nd-147	-0.194	0.582	0.942	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Nd-147	0.0624	1.59	2.72	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Nd-147	-1.72	1.89	2.89	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Nd-147	-13.2	26.3	43.5	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Nd-147	12.8	50.6	88.5	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Nd-147	-2.02	43.7	75	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Nd-147	-43.3	52.6	78.8	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Nd-147	0.296	0.863	1.51	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Nd-147	-0.424	0.719	1.17	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Nd-147	-0.139	0.8	1.36	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Nd-147	0.103	0.405	0.718	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Nd-147	-4.88	17	28.3	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Nd-147	40.7	59.8	107	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-12A	Tier II	09/18/08	PW	SA	Nd-147	-4.04	45.5	77.8	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Nd-147	0.102	0.339	0.589	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Nd-147	0.121	0.385	0.666	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Nd-147	6.44	23	39.7	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Nd-147	0.352	0.336	0.615	pCi/g	UJ	No
PAD34C	Tier II	08/20/08	FW	SA	Nd-147	41.8	74.8	132	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nd-147	-30.8	62.2	99.3	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Nd-147	24.3	83.6	146	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Nd-147	12.3	17.9	30.3	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nd-147	-13.3	26.9	42.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nd-147	-12.8	26.6	44.3	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Nd-147	-11.3	42.7	72.2	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Nd-147	-37.8	63.1	103	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Np-239	0.135	0.168	0.314	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Np-239	-0.103	0.19	0.321	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Np-239	-0.354	0.276	0.418	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Np-239	-0.246	0.19	0.305	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Np-239	0.163	0.2	0.333	pCi/g	UJ	No
BM26-34A	Tier I	09/04/08	DM	SA	Np-239	-0.055	0.198	0.342	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Np-239	3.94	16.3	27.3	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Np-239	-19.3	11.1	17.2	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Np-239	4.84	11.7	20.6	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Np-239	-2.45	15.1	24.8	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Np-239	-0.143	0.199	0.326	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Np-239	0.0755	0.202	0.356	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Np-239	-0.00477	0.189	0.317	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Np-239	-0.0347	0.135	0.234	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Np-239	-8.07	12.7	21.1	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Np-239	-14.8	16.7	27.6	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM34-12A	Tier II	09/18/08	PW	SA	Np-239	10.7	12.9	22	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Np-239	-0.17	0.143	0.235	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Np-239	0.0182	0.177	0.303	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Np-239	3.54	12.2	21.3	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Np-239	0.0122	0.165	0.292	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Np-239	2.36	12.9	22.4	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Np-239	8.7	10.4	18.6	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Np-239	-0.669	15	24.4	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Np-239	1.96	11.9	19.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Np-239	-0.783	17.9	29.6	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Np-239	-2.43	18.5	30	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Np-239	2.45	14.1	24.6	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Np-239	-9.63	20.9	34.2	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Pb-210	-2.94	3.94	6.65	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Pb-210	-1.8	4.22	7.39	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Pb-210	-0.0901	12.7	22.3	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Pb-210	-3.84	8.68	14.6	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Pb-210	-2.75	4.9	6.52	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Pb-210	198	447	786	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Pb-210	13.2	69.8	56.5	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Pb-210	-89.2	192	286	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Pb-210	127	847	1350	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Pb-210	4.65	4.31	7.84	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Pb-210	0.733	4.73	7.94	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Pb-210	-3.62	6.03	9.98	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Pb-210	15.1	302	461	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Pb-210	-176	474	708	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Pb-210	42.8	204	197	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Pb-210	0.993	3.94	6.63	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MS	SA	Pb-210	0.318	2.46	4.04	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Pb-210	258	382	572	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Pb-210	-3.01	4.58	7.18	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-210	0.805	423	587	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-210	67.4	268	237	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-210	-32.4	379	584	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Pb-210	219	690	1040	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Pb-210	-136	983	1580	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Pb-210	71.6	414	659	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Pb-210	-42.5	201	328	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Pb-210	303	521	872	pCi/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Pb-212	0	7.22	9.24	pCi/L	UI	No
BM35-32A	Tier I	09/18/08	PW	SA	Pb-212	-1.45	4.04	6.98	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Pb-212	-2.44	4.35	6.56	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Pb-212	0.776	5.58	7.29	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Pb-212	3.68	7.28	9.04	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Pb-212	-4.49	4.62	7.79	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Pb-212	0.583	3.9	5.44	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-212	-3.81	4.3	6.1	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-212	2.33	5.25	6.1	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-212	-1.94	5.54	7.86	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Pb-212	6.08	6.71	8.95	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Pb-212	2.11	6.6	8.68	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Pb-212	0.272	4.65	7.63	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Pb-212	4.55	8.12	10.2	pCi/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Pb-214	11.7	10	12.2	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Pb-214	4.98	7.37	9.5	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Pb-214	10.6	9.75	11.6	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Pb-214	-0.615	4.72	6.87	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Pb-214	-0.629	4.77	7.55	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-214	2.99	4.35	6.72	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pb-214	2.16	7.04	8.68	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Pb-214	2.99	9.55	10.7	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Pm-144	0.00403	0.0312	0.0545	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Pm-144	-0.0209	0.0308	0.0504	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Pm-144	-0.000287	0.0522	0.089	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Pm-144	-0.0473	0.0369	0.057	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Pm-144	0.00476	0.048	0.0807	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Pm-144	0.00804	0.0464	0.0802	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Pm-144	0.952	2.09	3.68	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Pm-144	0.727	2.22	3.82	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Pm-144	2.55	1.72	3.28	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Pm-144	0.215	1.96	3.37	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Pm-144	-0.0115	0.038	0.0622	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Pm-144	0.00427	0.0374	0.064	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Pm-144	0.00935	0.0374	0.0644	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Pm-144	-0.0149	0.0345	0.0564	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Pm-144	0.0339	1.88	3.16	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Pm-144	-0.224	2.33	3.92	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Pm-144	0.139	1.99	3.39	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Pm-144	0.00865	0.0305	0.0517	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Pm-144	0.028	0.0317	0.0553	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Pm-144	-0.162	1.77	2.88	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Pm-144	0.00527	0.0316	0.053	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pm-144	-1.38	2.03	3.11	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pm-144	0.404	1.8	3.04	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pm-144	0.193	2.18	3.67	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Pm-144	0.401	1.53	2.65	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	09/02/08	FW	SA	Pm-144	-0.0179	2.62	4.45	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Pm-144	0.171	2.83	4.75	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Pm-144	-1.28	2.02	3.27	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Pm-144	-0.668	2.86	4.72	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Pm-146	-0.0122	0.0408	0.0676	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Pm-146	0.00164	0.0448	0.0748	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Pm-146	0.0346	0.0661	0.117	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Pm-146	0.0373	0.041	0.074	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Pm-146	0.0134	0.0487	0.0849	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Pm-146	0.0249	0.0538	0.0937	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Pm-146	-1.21	3.12	4.97	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Pm-146	1.3	2.45	4.23	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Pm-146	-0.121	2.26	3.69	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Pm-146	2.09	2.8	4.91	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Pm-146	-0.0127	0.0465	0.0753	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Pm-146	0.0147	0.0487	0.0803	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Pm-146	-0.0119	0.0481	0.0777	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Pm-146	0.0231	0.0402	0.0701	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Pm-146	-0.385	2.41	4.07	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Pm-146	0.544	3.05	5.1	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Pm-146	-0.657	2.64	4.26	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Pm-146	0.011	0.0356	0.0626	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Pm-146	0.0211	0.0389	0.0659	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Pm-146	-1.31	2.16	3.46	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Pm-146	0.00269	0.0391	0.0673	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pm-146	1.66	2.53	4.5	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pm-146	1.34	2.11	3.42	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Pm-146	1.49	2.87	5.09	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Pm-146	-0.496	2.09	3.42	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	09/02/08	FW	SA	Pm-146	0.596	3.3	5.51	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Pm-146	0.294	3.43	5.92	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Pm-146	-0.376	2.63	4.28	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Pm-146	1.48	3.83	6.47	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ra-228	21.1	12.7	21.5	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ra-228	-5.38	7.26	10.4	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ra-228	6.46	8.56	14.1	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ra-228	4.37	8.6	13.3	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ra-228	11.3	17.2	17.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ra-228	7.9	13.7	22.3	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Ru-106	-0.0458	0.286	0.491	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Ru-106	-0.171	0.327	0.522	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Ru-106	0.137	0.494	0.877	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Ru-106	0.0277	0.327	0.572	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Ru-106	-0.108	0.384	0.637	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Ru-106	0.0363	0.428	0.743	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Ru-106	2.84	20.3	35.1	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Ru-106	2.41	21.1	36	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Ru-106	18.2	15.7	29.4	pCi/L	UJ	No
BM36-13	Tier I	09/18/08	PW	FD	Ru-106	9.94	19	34	pCi/L	UJ	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Ru-106	-0.298	0.305	0.469	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Ru-106	-0.0063	0.315	0.536	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Ru-106	-0.0554	0.352	0.591	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Ru-106	-0.187	0.294	0.476	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Ru-106	-15.4	18.5	29	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Ru-106	-4.27	22.7	38.1	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Ru-106	-7.16	18.9	31.3	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Ru-106	0.0371	0.258	0.437	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Ru-106	-0.13	0.297	0.484	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MF	SA	Ru-106	-7.68	15.8	24.8	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Ru-106	0.29	0.285	0.52	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ru-106	11.6	18.7	32.8	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ru-106	14.6	16.1	29.2	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ru-106	7.7	20.9	36.2	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Ru-106	-2.12	14	23.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ru-106	-16.1	23.7	39.3	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Ru-106	-11.7	26.3	43.5	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Ru-106	-12.8	17.4	27.9	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Ru-106	6.14	27.4	47.1	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Sb-124	-0.0143	0.0565	0.0899	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Sb-124	-0.0267	0.0703	0.11	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Sb-124	0.0677	0.116	0.225	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Sb-124	-0.0604	0.0708	0.0932	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Sb-124	-0.0843	0.126	0.197	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Sb-124	-0.000147	0.102	0.174	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Sb-124	-4.37	5.02	7.17	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Sb-124	5.26	5.77	11.1	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Sb-124	-0.763	4.12	6.71	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Sb-124	1.57	5.91	10.3	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Sb-124	-0.00698	0.0713	0.117	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Sb-124	-0.0374	0.0841	0.127	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Sb-124	-0.0479	0.075	0.107	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Sb-124	-0.0175	0.0838	0.135	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Sb-124	-0.0109	4.41	7.31	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Sb-124	-6.02	5.35	6.71	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Sb-124	-3.04	5.79	8.71	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Sb-124	0.0147	0.0552	0.0984	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Sb-124	0.069	0.0589	0.114	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MF	SA	Sb-124	0.58	4.57	7.87	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Sb-124	-0.0116	0.0549	0.0873	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sb-124	-1.39	5	7.97	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sb-124	-3.22	4.53	6.58	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sb-124	-1.72	6.34	10.4	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Sb-124	0.313	3.26	5.48	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sb-124	1.46	4.17	7.25	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sb-124	0.76	3.46	6.05	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Sb-124	0.187	4.38	7.44	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Sb-124	-2.62	5.74	8.89	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Sb-125	-0.00679	0.0871	0.147	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Sb-125	0.0346	0.0868	0.153	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Sb-125	-0.102	0.147	0.228	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Sb-125	0.0178	0.0875	0.151	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Sb-125	0.101	0.107	0.184	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Sb-125	0.065	0.11	0.194	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Sb-125	-5.47	6.85	10.6	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Sb-125	5.79	5.68	10.1	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Sb-125	1.12	4.48	7.55	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Sb-125	2.67	5.48	9.48	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Sb-125	-0.0144	0.0927	0.152	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Sb-125	-0.0103	0.0977	0.161	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Sb-125	0.0143	0.0972	0.163	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Sb-125	0.0454	0.0825	0.144	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Sb-125	-6.16	5.36	8.43	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Sb-125	2.64	7.04	11.9	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Sb-125	-0.0318	5.19	8.59	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Sb-125	0.0219	0.0732	0.129	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Sb-125	0.0831	0.0801	0.14	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MF	SA	Sb-125	2.11	5.1	8.97	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Sb-125	0.017	0.0785	0.137	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sb-125	-2.1	5	8.26	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sb-125	-3.78	4.75	7.59	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sb-125	-0.904	6.42	10.4	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Sb-125	-1.48	6.18	7.7	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sb-125	-5.78	8.14	11.4	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sb-125	1.44	7.66	12.6	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Sb-125	-3.52	6.01	9.51	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Sb-125	-2.99	8.51	13.7	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Sn-113	0.00775	0.0404	0.0699	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Sn-113	0.0471	0.041	0.0755	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Sn-113	-0.0183	0.0712	0.117	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Sn-113	0.0095	0.0465	0.0804	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Sn-113	-0.0759	0.0578	0.0887	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Sn-113	0.039	0.065	0.115	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Sn-113	4.07	3.12	5.64	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Sn-113	-1.08	2.88	4.68	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Sn-113	1.36	2.43	4.18	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Sn-113	0.918	2.78	4.77	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Sn-113	-0.0275	0.0464	0.074	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Sn-113	-0.00661	0.0503	0.0831	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Sn-113	-0.0629	0.0469	0.0696	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Sn-113	-0.0157	0.0369	0.0607	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Sn-113	-0.706	2.56	4.09	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Sn-113	-0.0382	3.35	5.55	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Sn-113	-2.91	2.64	4	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Sn-113	0.0188	0.0349	0.0629	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Sn-113	-0.0187	0.0397	0.0642	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MF	SA	Sn-113	-0.0955	2.22	3.79	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Sn-113	0.012	0.0404	0.0715	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sn-113	1.96	2.71	4.88	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sn-113	-2.01	2.45	3.94	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sn-113	1.47	3.27	5.53	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Sn-113	1.53	2.12	3.66	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sn-113	0.709	3.33	5.62	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sn-113	2.24	3.56	5.97	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Sn-113	-4.48	3.14	4.34	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Sn-113	1.8	4.33	7.35	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Sr-90	0.241	0.484	0.862	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Sr-90	-0.0119	0.348	0.68	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Sr-90	0.388	0.387	0.637	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Sr-90	0.109	0.353	0.648	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Sr-90	0.0881	0.338	0.625	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Sr-90	0.0561	0.264	0.511	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Sr-90	0.553	0.532	0.864	pCi/L	UJ	No
BM35-32A	Tier I	09/18/08	PW	SA	Sr-90	0.323	0.35	0.578	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Sr-90	0.0562	0.489	0.901	pCi/L	UJ	No
BM36-13	Tier I	09/18/08	PW	FD	Sr-90	0.151	0.33	0.598	pCi/L	UJ	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Sr-90	0.0347	0.0593	0.105	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Sr-90	0.00143	0.0519	0.103	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Sr-90	-0.0188	0.0508	0.109	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Sr-90	-0.0567	0.301	0.628	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Sr-90	0.491	0.795	1.38	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Sr-90	0.393	0.408	0.673	pCi/L	UJ	No
BM34-12A	Tier II	09/18/08	PW	SA	Sr-90	-0.168	0.408	0.818	pCi/L	UJ	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Sr-90	0.0722	0.299	0.54	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Sr-90	-0.191	0.262	0.601	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MF	SA	Sr-90	0.552	0.948	1.69	pCi/L	UJ	No
PAD34C	Tier II	07/22/08	DC	SA	Sr-90	-0.00424	0.144	0.253	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Sr-90	-0.461	0.431	0.952	pCi/L	UJ	No
PAD34C	Tier II	08/20/08	FW	SA	Sr-90	-0.477	0.623	1.26	pCi/L	UJ	No
PAD34C	Tier II	08/20/08	FW	SA	Sr-90	0.89	0.651	1	pCi/L	UJ	No
PAD34C	Tier II	09/02/08	FB	SA	Sr-90	0.133	0.634	1.21	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sr-90	0.998	0.802	1.24	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Sr-90	1.16	1.05	1.69	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Sr-90	-0.109	0.432	1.67	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Sr-90	0.321	0.36	1.28	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Tc-99	0.427	2.33	4	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Tc-99	0.59	2.47	4.29	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Tc-99	2.01	2.51	4.23	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Tc-99	-0.136	2.51	4.41	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Tc-99	0.77	1.66	2.84	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Tc-99	0.286	1.73	3	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Tc-99	9.26	23.1	39.7	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Tc-99	-9.19	23.9	41.5	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Tc-99	0.87	20.2	34.7	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Tc-99	3.52	22.4	38.3	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Tc-99	-0.349	1.71	2.97	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Tc-99	-0.457	1.6	2.79	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Tc-99	0.504	1.41	2.4	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Tc-99	0.61	2.03	3.48	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Tc-99	-24.3	21.3	38.1	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Tc-99	-7.68	12.9	22.4	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Tc-99	-7.08	15.7	27.3	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Tc-99	-1.06	2.07	3.62	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Tc-99	-0.621	2.35	4.19	pCi/g	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MF	SA	Tc-99	3.86	26.3	45.4	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Tc-99	0.377	2.48	4.21	pCi/g	UJ	No
PAD34C	Tier II	08/20/08	FW	SA	Tc-99	-10.1	15.5	27.6	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tc-99	-9.86	15.7	27.9	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tc-99	-13	15.5	27.8	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Tc-99	-0.525	24.2	42.3	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Tc-99	21.4	23.2	39	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Tc-99	0.986	22.8	39.7	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Tc-99	4.48	18.4	31.6	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Tc-99	4.77	18.3	31.4	pCi/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Th-230	-646	4240	1670	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Th-230	159	1070	638	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Th-230	413	2710	1120	pCi/L	U	No
BM36-23	Tier I	08/08/08	PW	SA	Th-230	-81.8	958	1390	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Th-230	10.1	1130	1860	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Th-230	507	3280	1030	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Th-230	-160	1200	982	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Th-230	899	5870	1470	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Th-230	-23.6	1410	2270	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Th-230	-539	3600	1780	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Th-230	-88.5	1060	1410	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Th-230	224	1950	2270	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Th-234	0.832	1.37	2.17	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Th-234	-0.53	1.41	2.45	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Th-234	3.64	4.36	4.74	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Th-234	0.91	1.86	3.3	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Th-234	20.1	136	219	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Th-234	-26.7	52	82.3	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Th-234	-38.1	92.5	142	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Th-234	23.2	173	261	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	Th-234	1.61	1.93	2.36	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Th-234	1.04	1.54	2.62	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Th-234	0.458	2.39	2.4	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Th-234	-107	114	171	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Th-234	-25.3	150	226	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Th-234	-52.5	72.4	119	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Th-234	0.907	1.4	1.87	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Th-234	0.247	1.43	1.75	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Th-234	63.5	132	190	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Th-234	0.786	1.49	2.03	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Th-234	-56.6	124	188	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Th-234	9.62	92.8	117	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Th-234	62.5	148	173	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Th-234	-28.1	139	192	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Th-234	-64.1	181	289	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Th-234	-109	141	217	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Th-234	-107	104	164	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Th-234	-64.5	167	272	pCi/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Tl-208	0.245	3.05	4.92	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Tl-208	1.92	2.86	4.69	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Tl-208	0.751	2.46	3.79	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Tl-208	-1.82	2.98	4.31	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Tl-208	0.295	3.05	4.97	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Tl-208	-1.1	2.62	4.26	pCi/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Tl-208	-1.64	2.52	3.58	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tl-208	-0.461	2.38	3.81	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tl-208	-1.43	2.27	3.37	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tl-208	2	3.05	4.87	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	09/02/08	FB	SA	Tl-208	-0.101	2.41	3.37	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Tl-208	2.68	4.55	5.38	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Tl-208	0.73	3.28	5.36	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Tl-208	1.3	3.75	4.33	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Tl-208	1.59	5.53	6.17	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	RW	SA	Tritium	10.3		10.3	TU	U	No
BM26-33B	Tier I	09/23/08	DM	SA	Tritium	10		10	TU	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Tritium	13		13	TU	U	No
BM26-33D	Tier I	09/10/08	DM	FD	Tritium	12.1		12.1	TU	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Tritium	14		14	TU	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Tritium	10		10	TU	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Tritium	10		10	TU	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Tritium	12.5		12.5	TU	U	No
BM36-13	Tier I	09/18/08	PW	FD	Tritium	10.4		10.4	TU	U	No
BM36-13	Tier I	09/18/08	PW	SA	Tritium	16.5		16.5	TU	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Tritium	16.8		16.8	TU	U	No
BM36-13B	Tier I	08/15/08	DM	SA	Tritium	17		17	TU	U	No
BM36-23	Tier I	08/08/08	PW	SA	Tritium	10		10	TU	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Tritium	10		10	TU	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Tritium	10		10	TU	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Tritium	10		10	TU	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tritium	11.8		11.8	TU	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tritium	12		12	TU	U	No
PAD34C	Tier II	08/20/08	FW	SA	Tritium	13		13	TU	U	No
PAD34C	Tier II	09/02/08	FB	SA	Tritium	10		10	TU	U	No
PAD34C	Tier II	09/02/08	FW	SA	Tritium	10.2		10.2	TU	U	No
PAD34C	Tier II	09/02/08	FW	SA	Tritium	11.4		11.4	TU	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Tritium	10		10	TU	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Tritium	10		10	TU	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	7/15/2008	NG	sa	Tritium C1	12.1	----	----	TU	U	No
BM35-32A	Tier I	9/18/2008	NG	SA	Tritium C1	10.1	----	----	TU	U	No
BM36-13	Tier I	9/18/2008	NG	FD	Tritium C1	10	----	----	TU	U	No
BM36-13	Tier I	9/18/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
BM36-23	Tier I	7/8/2008	NG	sa	Tritium C1	10	----	----	TU	U	No
BM36-23	Tier I	9/18/2008	NG	SA	Tritium C1	11.5	----	----	TU	U	No
BE11-43	Tier II	7/8/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
BE11-44	Tier II	7/8/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
BM34-11D	Tier II	9/18/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
BM34-12A	Tier II	9/18/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
CL15-23	Tier II	7/8/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
CL15-24	Tier II	7/8/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
CW15-33D	Tier II	7/8/2008	NG	SA	Tritium C1	13.3	----	----	TU	U	No
CW15-34	Tier II	7/8/2008	NG	SA	Tritium C1	12	----	----	TU	U	No
FE28-15X	Tier II	7/8/2008	NG	FD	Tritium C1	10	----	----	TU	U	No
FE28-15X	Tier II	7/8/2008	NG	SA	Tritium C1	10	----	----	TU	U	No
GF21-15	Tier II	7/8/2008	NG	SA	Tritium C1	10.7	----	----	TU	U	No
PA24-12	Tier II	7/7/2008	NG	SA	Tritium C1	5	----	----	TU	U	No
PA44-12	Tier II	7/7/2008	NG	SA	Tritium C1	5	----	----	TU	U	No
SP31-13	Tier II	9/25/2008	NG	SA	Tritium C1	11.8		11.8	TU	U	No
SP31-13	Tier II	9/25/2008	NG	SA	Tritium C1	11.8	----	----	TU	U	No
SP31-13	Tier II	9/25/2008	NG	FD	Tritium C1	11.9		11.9	TU	U	No
SP31-13	Tier II	9/25/2008	NG	FD	Tritium C1	11.9	----	----	TU	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	U-235	0.0142	0.196	0.348	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	U-235	0.141	0.217	0.375	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	U-235	-0.00942	0.342	0.567	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	U-235	0.0494	0.231	0.376	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	U-235	0.0107	0.242	0.407	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	U-235	4.92	18.7	27.8	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	09/18/08	PW	SA	U-235	-2.43	14.1	21.5	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	U-235	-3.06	15.3	21.9	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	U-235	-34.6	18.8	24.6	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	U-235	-0.0773	0.22	0.355	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	U-235	0.0468	0.224	0.378	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	U-235	-0.279	0.239	0.353	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	U-235	-0.0879	0.17	0.283	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	U-235	-8.43	16.2	22.5	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	U-235	-7.43	17.9	30	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	U-235	-12.4	16.8	21.9	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	U-235	-0.22	0.19	0.296	pCi/g	UJ	No
FH15-13BB	Tier II	8/28/2008	MS	SA	U-235	0.0633	0.211	0.351	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	U-235	-8.81	16	21.6	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	U-235	0.0422	0.19	0.325	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	U-235	-17.1	17.7	23.1	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	U-235	8.71	16.6	19.8	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	U-235	-12.8	16.9	26.9	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	U-235	5.37	15	20.2	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	U-235	-5.51	20.3	30.7	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	U-235	-15.2	20.6	32.4	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	U-235	-16.5	17.6	26.7	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	U-235	-35.2	25.4	36.1	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	U-238	0.832	1.37	2.17	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	U-238	-0.53	1.41	2.45	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	U-238	3.64	4.36	4.74	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	U-238	0.91	1.86	3.3	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	U-238	20.1	136	219	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	U-238	-26.7	52	82.3	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	U-238	-38.1	92.5	142	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	U-238	23.2	173	261	pCi/L	U	No
BM36-13B-01	Tier I	08/14/08	DC	SA	U-238	1.61	1.93	2.36	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	U-238	1.04	1.54	2.62	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	U-238	0.458	2.39	2.4	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	U-238	-107	114	171	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	U-238	-25.3	150	226	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	U-238	-52.5	72.4	119	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	U-238	0.907	1.4	1.87	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	U-238	0.247	1.43	1.75	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	U-238	63.5	132	153	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	U-238	0.786	1.49	2.03	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	U-238	-56.6	124	188	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	U-238	9.62	92.8	117	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	U-238	62.5	148	173	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	U-238	-28.1	139	192	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	U-238	-64.1	181	289	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	U-238	-109	141	217	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	U-238	-107	104	164	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	U-238	-64.5	167	272	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Y-88	-0.00555	0.0287	0.0459	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Y-88	0.0136	0.0345	0.062	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Y-88	0.0072	0.046	0.0801	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Y-88	-0.0224	0.039	0.0567	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Y-88	-0.0375	0.0511	0.0778	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Y-88	0.00764	0.0435	0.0759	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Y-88	0.524	2.46	4.32	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Y-88	1.87	2.68	4.96	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Y-88	0.582	1.7	3.04	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Y-88	0.45	2.55	4.35	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13B-01	Tier I	08/14/08	DC	SA	Y-88	0.018	0.0379	0.069	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Y-88	0.00399	0.033	0.0566	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Y-88	-0.0166	0.0312	0.0446	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Y-88	-0.00779	0.0362	0.0573	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Y-88	-3.58	2.39	2.85	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Y-88	0.131	2.86	4.59	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Y-88	-1.09	2.06	3.14	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Y-88	0.0169	0.0299	0.0557	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Y-88	-0.0187	0.0285	0.0429	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Y-88	-0.416	2.23	3.61	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Y-88	0.0187	0.0331	0.061	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Y-88	1.24	2.31	4.23	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Y-88	-1.23	2.12	3.17	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Y-88	-0.362	2.55	4.21	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Y-88	-0.756	1.53	2.34	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Y-88	-0.258	1.97	3.18	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Y-88	-0.866	1.72	2.69	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Y-88	1.35	1.91	3.61	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Y-88	1.73	2.83	5.23	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Zn-65	0.0899	0.11	0.173	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Zn-65	0.00715	0.0914	0.133	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Zn-65	-0.129	0.139	0.14	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Zn-65	-0.0111	0.0941	0.131	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Zn-65	-0.00716	0.124	0.18	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Zn-65	0.0344	0.13	0.196	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Zn-65	-7.57	5.73	8.36	pCi/L	UJ	No
BM35-32A	Tier I	09/18/08	PW	SA	Zn-65	-4.23	5.17	7.87	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Zn-65	-2.8	4.32	6.6	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Zn-65	-0.572	4.26	6.85	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13B-01	Tier I	08/14/08	DC	SA	Zn-65	-0.116	0.113	0.173	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Zn-65	0.116	0.103	0.173	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Zn-65	0.0607	0.0966	0.156	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Zn-65	-0.125	0.105	0.125	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Zn-65	-3.03	4.51	7.15	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Zn-65	-2.48	6.15	9.75	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Zn-65	1.57	5.02	8.83	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Zn-65	0.0335	0.0699	0.111	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Zn-65	0.0416	0.0911	0.135	pCi/g	UJ	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Zn-65	-0.818	3.97	6.46	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Zn-65	-0.0102	0.0833	0.118	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Zn-65	-4.12	5.73	8.9	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Zn-65	-0.411	4.15	6.9	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Zn-65	2.65	6.91	12	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Zn-65	-0.963	4.64	7.52	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Zn-65	-4.99	8.44	13.5	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Zn-65	-5.78	9.68	16	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Zn-65	-0.294	4.83	6.82	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Zn-65	4.12	7.35	11.4	pCi/L	U	No
PAD26N	Tier I or II	08/05/08	DC	SA	Zr-95	0.0232	0.0619	0.11	pCi/g	U	No
PAD26N	Tier I or II	09/15/08	DC	SA	Zr-95	0.0237	0.0681	0.121	pCi/g	U	No
BM26-33B	Tier I	09/22/08	DM	SA	Zr-95	0.0706	0.113	0.207	pCi/g	U	No
BM26-33C	Tier I	09/15/08	DM	SA	Zr-95	0.0857	0.0726	0.136	pCi/g	U	No
BM26-33D	Tier I	09/10/08	DM	SA	Zr-95	0.0985	0.1	0.176	pCi/g	U	No
BM26-34A	Tier I	09/04/08	DM	SA	Zr-95	0.0281	0.108	0.187	pCi/g	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Zr-95	1.91	4.23	7.43	pCi/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Zr-95	2.07	4.71	8.18	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Zr-95	-1.25	3.47	5.64	pCi/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Zr-95	-1.62	3.98	6.43	pCi/L	U	No

Table 2
Summary of Radiological Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Activity or Concentration	Counting Error	Reporting Limit	Units	Flag	Detected ?
BM36-13B-01	Tier I	08/14/08	DC	SA	Zr-95	-0.0172	0.0835	0.137	pCi/g	U	No
BM36-13B-02	Tier I	08/15/08	DC	SA	Zr-95	-0.0193	0.0884	0.147	pCi/g	U	No
BM36-13B-03	Tier I	08/15/08	DC	SA	Zr-95	0.0233	0.0817	0.141	pCi/g	U	No
BM36-13B	Tier I	08/08/08	DM	SA	Zr-95	-0.0178	0.0674	0.11	pCi/g	U	No
BM36-23	Tier I	08/08/08	PW	SA	Zr-95	1.73	3.55	6.19	pCi/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Zr-95	0.295	4.69	7.97	pCi/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Zr-95	0.0298	4.34	7.32	pCi/L	U	No
FH15-13BB	Tier II	8/25/2008	DC	SA	Zr-95	0.0777	0.0518	0.0996	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MS	SA	Zr-95	0.0959	0.0656	0.117	pCi/g	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Zr-95	-0.372	3.22	5.18	pCi/L	U	No
PAD34C	Tier II	07/22/08	DC	SA	Zr-95	0.0632	0.067	0.119	pCi/g	U	No
PAD34C	Tier II	08/20/08	FW	SA	Zr-95	-0.873	4.69	7.5	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Zr-95	0.339	3.89	6.45	pCi/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Zr-95	-3.46	5.62	8.87	pCi/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Zr-95	-0.61	3.15	5.27	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Zr-95	1.39	4.8	8.24	pCi/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Zr-95	-0.141	5.81	9.66	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Zr-95	1.04	4.24	7.33	pCi/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Zr-95	1.77	6.22	10.6	pCi/L	U	No

Notes: FB = flowback water; FW = fracing fluids; PW = produced water, NG = natural gas; DC= drill cuttings; DM = drilling mud; RW = reserve pit water; MF = dewatered drilling mud fluid extract; MS = dewatered drilling mud solid; SA = primary sample; FD = field duplicate; pCi/L = picoCuries per liter; µg/L = micrograms per liter; pMC = percent modern carbon; TU = tritium units; pCi/g = picoCuries per gram; U = analyte was analyzed but was not detected above the minimum detectable activity (MDA); J = the reported analytical result is estimated; UJ = the analyte was analyzed for but was not detected above the MDA; the reported analytical result is an estimate; UI = analyte was analyzed and tentatively identified but was not detected above the minimum detectable activity (MDA).

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	7/15/2008	PW	SA	Arsenic	2	2	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Arsenic	5.5	2	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Arsenic	50	2	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Arsenic	50	2	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Arsenic	49	2	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Arsenic	3.9	2	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Arsenic	4.1	2	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Arsenic	15	2	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Arsenic	1.4	2	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Arsenic	0.5	2	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Arsenic	2.9	2	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Arsenic	5.1	2	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Arsenic	2.3	2	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Arsenic	1.6	2	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Arsenic	5.5	2	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Arsenic	3.6	2	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Barium	89000	1000	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Barium	78000	5000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Barium	18000	5000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Barium	20000	5000	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Barium	26000	5000	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Barium	66000	5000	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Barium	67000	5000	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Barium	790	100	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Barium	280	100	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Barium	100	100	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Barium	4800	100	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Barium	86000	10000	µg/L	J	Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	9/2/2008	FW	SA	Barium	17000	10000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Barium	6400	10000	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Barium	330000	5000	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Barium	320000	5000	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Boron	6100	100	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Boron	6200	100	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Boron	2800	100	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Boron	2700	100	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Boron	3300	100	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Boron	3600	100	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Boron	3600	100	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Boron	720	100	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Boron	84	100	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Boron	38	100	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Boron	580	100	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Boron	3600	100	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Boron	5500	100	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Boron	3600	100	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Boron	3400	100	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Boron	3500	100	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Cadmium	0.21	0.3	µg/L	J	Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Cadmium	0.14	0.3	µg/L	J	Yes
BM36-13	Tier I	9/18/2008	PW	SA	Cadmium	0.091	0.3	µg/L	J	Yes
BM36-13	Tier I	9/18/2008	PW	FD	Cadmium	0.093	0.3	µg/L	J	Yes
BM36-23	Tier I	8/8/2008	PW	SA	Cadmium	0.052	0.3	µg/L	J	Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Cadmium	0.13	0.3	µg/L	J	Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Cadmium	0.16	0.3	µg/L	J	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Cadmium	2.2	0.3	µg/L	J	Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	8/20/2008	FW	SA	Cadmium	0.066	0.3	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Cadmium	0.18	0.3	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Cadmium	2.1	0.3	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Cadmium	3.1	0.3	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Cadmium	0.28	0.3	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Cadmium	0.3	0.3	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Calcium	190000	1000	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Calcium	190000	1000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Calcium	330000	1000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Calcium	320000	1000	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Calcium	200000	1000	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Calcium	260000	1000	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Calcium	270000	1000	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Calcium	1900000	25000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Calcium	45000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Calcium	50000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Calcium	67000	1000	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Calcium	350000	1000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Calcium	320000	1000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Calcium	220000	1000	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Calcium	490000	1000	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Calcium	640000	50000	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Chromium	26	10	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Chromium	30	10	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Chromium	1.3	10	µg/L	J	Yes
BM36-13	Tier I	9/18/2008	PW	FD	Chromium	0.98	10	µg/L	J	Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Chromium	74	10	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Chromium	72	10	µg/L		Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
FH15-13BB	Tier II	8/28/2008	MF	SA	Chromium	7.1	10	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Chromium	2.5	10	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FB	SA	Chromium	38	10	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Chromium	7.2	10	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Chromium	3	10	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Chromium	22	10	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Chromium	16	10	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Iron	240000	1000	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Iron	63000	100	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Iron	7700	100	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Iron	7200	100	µg/L	J	Yes
BM36-23	Tier I	8/8/2008	PW	SA	Iron	4100	100	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Iron	75000	100	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Iron	77000	100	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Iron	4800	100	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Iron	1000	100	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Iron	92	100	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Iron	3900	100	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Iron	43000	100	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Iron	10000	100	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Iron	5900	100	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Iron	94000	100	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Iron	91000	100	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Lead	3.6	0.5	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Lead	14	0.5	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Lead	0.93	0.5	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Lead	0.48	0.5	µg/L	J	Yes
BM36-23	Tier I	8/8/2008	PW	SA	Lead	0.96	0.5	µg/L		Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM34-11D	Tier II	9/18/2008	PW	SA	Lead	1.2	0.5	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Lead	1.6	0.5	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Lead	1	0.5	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Lead	0.23	0.5	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Lead	6.9	0.5	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Lead	230	0.5	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Lead	8.7	0.5	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Lead	4.5	0.5	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Lead	1	0.5	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Lead	0.32	0.5	µg/L	J	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Lithium	240	10	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Lithium	8300	500	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Lithium	8100	500	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Litium	4300	10	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Litium	3900	10	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Litium	2700	10	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Litium	2700	10	µg/L	J	Yes
BM36-23	Tier I	8/8/2008	PW	SA	Litium	3200	10	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Litium	3700	10	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Litium	3700	10	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Litium	110	10	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Litium	39	10	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Litium	640	10	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Litium	4000	10	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Litium	4000	10	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Litium	2900	10	µg/L	J	Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Magnesium	23000	1000	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Magnesium	20000	1000	µg/L	J	Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	9/18/2008	PW	SA	Magnesium	23000	1000	µg/L	J	Yes
BM36-13	Tier I	9/18/2008	PW	FD	Magnesium	22000	1000	µg/L	J	Yes
BM36-23	Tier I	8/8/2008	PW	SA	Magnesium	24000	1000	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Magnesium	34000	1000	µg/L	J	Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Magnesium	35000	1000	µg/L	J	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Magnesium	13000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Magnesium	11000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Magnesium	11000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Magnesium	16000	1000	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Magnesium	44000	1000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Magnesium	37000	1000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Magnesium	34000	1000	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Magnesium	53000	1000	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Magnesium	55000	1000	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Manganese	2900	100	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Manganese	1000	20	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Manganese	630	10	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Manganese	610	10	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Manganese	160	2	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Manganese	1500	40	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Manganese	1700	40	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Manganese	450	20	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Manganese	60	2	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Manganese	21	2	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Manganese	120	2	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Manganese	1600	20	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Manganese	870	20	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Manganese	500	20	µg/L	J	Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	PW	SA	Manganese	2000	10	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Manganese	1900	10	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Mercury	0.37	0.2	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Mercury	1.2	0.2	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Mercury	0.082	0.2	µg/L	J	Yes
BM36-13	Tier I	9/18/2008	PW	FD	Mercury	0.0091	0.2	µg/L	J	Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Mercury	0.021	0.2	µg/L	J	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Mercury	0.09	0.2	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Mercury	0.15	0.2	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Mercury	0.13	0.2	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FB	SA	Mercury	0.042	0.2	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Mercury	0.046	0.2	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Mercury	0.041	0.2	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Mercury	0.076	0.2	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Mercury	0.041	0.2	µg/L	J	Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Potassium	660000	10000	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Potassium	440000	50000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Potassium	180000	1000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Potassium	170000	1000	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Potassium	180000	1000	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Potassium	580000	50000	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Potassium	590000	50000	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Potassium	160000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Potassium	970000	50000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Potassium	380000	10000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Potassium	2100000	50000	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Potassium	2200000	100000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Potassium	7700000	100000	µg/L	J	Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	9/2/2008	FW	SA	Potassium	12000000	100000	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Potassium	1200000	50000	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Potassium	1200000	50000	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Selenium	29	1	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Selenium	9.8	1	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Selenium	0.93	1	µg/L	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Selenium	0.54	1	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FB	SA	Selenium	0.76	1	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Selenium	0.48	1	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Selenium	0.47	1	µg/L	J	Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Sodium	6700000	500000	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Sodium	6000000	50000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Sodium	5300000	50000	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Sodium	5400000	50000	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Sodium	5200000	50000	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Sodium	6200000	50000	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Sodium	6300000	50000	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Sodium	4000000	25000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Sodium	210000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Sodium	92000	1000	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Sodium	800000	50000	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Sodium	6500000	100000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Sodium	7200000	100000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Sodium	4900000	100000	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Sodium	11000000	50000	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Sodium	11000000	50000	µg/L		Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Strontium	31000	100	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Strontium	28000	500	µg/L		Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	9/18/2008	PW	SA	Strontium	37000	500	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Strontium	38000	500	µg/L		Yes
BM36-23	Tier I	8/8/2008	PW	SA	Strontium	35000	500	µg/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Strontium	28000	500	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Strontium	29000	500	µg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Strontium	25000	250	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Strontium	640	10	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Strontium	500	10	µg/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Strontium	4100	10	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Strontium	37000	1000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Strontium	40000	1000	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Strontium	25000	1000	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Strontium	120000	500	µg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Strontium	120000	500	µg/L		Yes
PAD26N	Tier I or II	08/05/08	DC	SA	Total Uranium	3.29	0.695	ug/g	J	Yes
PAD26N	Tier I or II	09/15/08	DC	SA	Total Uranium	2.62	0.469	ug/g		Yes
BM26-33B	Tier I	09/22/08	DM	SA	Total Uranium	3.92	0.465	ug/g		Yes
BM26-33C	Tier I	09/15/08	DM	SA	Total Uranium	3.57	0.447	ug/g	Y	Yes
BM26-33D	Tier I	09/10/08	DM	SA	Total Uranium	3.37	0.469	ug/g		Yes
BM26-34A	Tier I	09/04/08	DM	SA	Total Uranium	3.03	0.439	ug/g	J	Yes
BM35-32A	Tier I	7/15/2008	PW	SA	Total Uranium	0.11	0.1	µg/L		Yes
BM35-32A	Tier I	9/18/2008	PW	SA	Total Uranium	0.19	0.1	µg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Total Uranium	1.49	0.939	ug/L		Yes
BM36-13	Tier I	9/18/2008	PW	SA	Total Uranium	0.16	0.1	µg/L		Yes
BM36-13	Tier I	9/18/2008	PW	FD	Total Uranium	0.15	0.1	µg/L		Yes
BM36-13B-01	Tier I	08/14/08	DC	SA	Total Uranium	2	0.348	ug/g		Yes
BM36-13B-02	Tier I	08/15/08	DC	SA	Total Uranium	2.14	0.33	ug/g		Yes
BM36-13B-03	Tier I	08/15/08	DC	SA	Total Uranium	2.2	0.345	ug/g		Yes

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-13B	Tier I	08/08/08	DM	SA	Total Uranium	5.38	1.8	ug/g	J	Yes
BM36-23	Tier I	8/8/2008	PW	SA	Total Uranium	0.12	0.1	µg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Total Uranium	1.08	0.939	ug/L		Yes
BM34-11D	Tier II	9/18/2008	PW	SA	Total Uranium	0.3	0.1	µg/L		Yes
BM34-12A	Tier II	9/18/2008	PW	SA	Total Uranium	0.31	0.1	µg/L		Yes
FH15-13BB	Tier II	8/25/2008	DC	SA	Total Uranium	1.65	0.756	ug/g		Yes
FH15-13BB	Tier II	8/28/2008	MS	SA	Total Uranium	2.56	0.393	ug/g		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Total Uranium	23	1.57	ug/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Total Uranium	36	0.1	µg/L		Yes
PAD34C	Tier II	07/22/08	DC	SA	Total Uranium	1.63	0.342	ug/g	J	Yes
PAD34C	Tier II	8/20/2008	FW	SA	Total Uranium	0.94	0.1	µg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Uranium	1.04	0.786	ug/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Total Uranium	1.2	0.1	µg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Uranium	1.57	0.786	ug/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Total Uranium	1.4	0.1	µg/L		Yes
PAD34C	Tier II	9/2/2008	FB	SA	Total Uranium	0.94	0.1	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Total Uranium	0.7	0.1	µg/L	J	Yes
PAD34C	Tier II	9/2/2008	FW	SA	Total Uranium	0.58	0.1	µg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Total Uranium	1.55	0.939	ug/L		Yes
PAD34C	Tier II	8/20/2008	FW	SA	Cadmium	0.042	0.3	µg/L	U	No
PAD34C	Tier II	9/2/2008	FB	SA	Cadmium	0.3	0.3	µg/L	U	No
BM36-23	Tier I	8/8/2008	PW	SA	Chromium	10	10	µg/L	U	No
PAD34C	Tier II	8/20/2008	FW	SA	Chromium	10	10	µg/L	U	No
PAD34C	Tier II	8/20/2008	FW	SA	Chromium	10	10	µg/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Lead	6.8	6.8	µg/L	U	No
BM36-23	Tier I	8/8/2008	PW	SA	Mercury	0.0075	0.2	µg/L	U	No
BM34-12A	Tier II	9/18/2008	PW	SA	Mercury	0.0075	0.2	µg/L	U	No
PAD34C	Tier II	8/20/2008	FW	SA	Mercury	0.0075	0.2	µg/L	U	No

Table 3
Summary of Total Metal Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	7/15/2008	PW	SA	Selenium	1	1	µg/L	U	No
BM35-32A	Tier I	9/18/2008	PW	SA	Selenium	1	1	µg/L	U	No
BM36-13	Tier I	9/18/2008	PW	SA	Selenium	1	1	µg/L	U	No
BM36-13	Tier I	9/18/2008	PW	FD	Selenium	1	1	µg/L	U	No
BM36-23	Tier I	8/8/2008	PW	SA	Selenium	0.11	1	µg/L	U	No
BM34-11D	Tier II	9/18/2008	PW	SA	Selenium	1	1	µg/L	U	No
BM34-12A	Tier II	9/18/2008	PW	SA	Selenium	1	1	µg/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Selenium	1	1	µg/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Selenium	1	1	µg/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Total Uranium	1.05	1.57	ug/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Total Uranium	0.456	0.939	ug/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Total Uranium	0.787	0.939	ug/L	U	No
BM36-23	Tier I	08/08/08	PW	SA	Total Uranium	0.224	0.786	ug/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Total Uranium	0.621	0.939	ug/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Total Uranium	0.752	0.786	ug/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Total Uranium	1.03	1.57	ug/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Total Uranium	0.88	1.57	ug/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Total Uranium	1.47	1.57	ug/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Total Uranium	0.331	0.939	ug/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Total Uranium	0.1	0.1	µg/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Total Uranium	0.1	0.1	µg/L	U	No

Notes: FB = flowback water; FW = fracing fluids; PW = produced water, NG = natural gas; ST = stormwater; SA = primary sample; FD = field duplicate; µg/L = micrograms per liter; mg/L = milligrams per liter; U = analyte was analyzed but was not detected above the reporting limit; J = the reported analytical result is estimated; UJ = the analyte was analyzed for but was not detected above the reporting limit; the reported analytical result is an estimate; Y = QC samples were not spiked with this compound.

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	07/15/08	PW	SA	Ammonia (as N)	35	5	mg/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Ammonia (as N)	37	2	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Ammonia (as N)	16	0.5	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Ammonia (as N)	16	0.5	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Ammonia (as N)	13	2	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Ammonia (as N)	34	2	mg/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Ammonia (as N)	35	2	mg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Ammonia (as N)	170	10	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Ammonia (as N)	1.5	0.1	mg/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Ammonia (as N)	34	1	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Ammonia (as N)	21	1	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Ammonia (as N)	7.9	0.5	mg/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Ammonia (as N)	50	2	MG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Ammonia (as N)	50	2	MG/L		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Bicarbonate (as CaCO3)	1200	50	mg/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Bicarbonate (as CaCO3)	850	100	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Bicarbonate (as CaCO3)	600	100	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Bicarbonate (as CaCO3)	620	100	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Bicarbonate (as CaCO3)	670	100	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Bicarbonate (as CaCO3)	2200	100	mg/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Bicarbonate (as CaCO3)	2300	100	mg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Bicarbonate (as $CaCO_3$)	760	100	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Bicarbonate (as CaCO3)	120	20	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Bicarbonate (as CaCO3)	130	20	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Bicarbonate (as CaCO3)	220	20	mg/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Bicarbonate (as CaCO3)	2600	250	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Bicarbonate (as CaCO3)	1600	100	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Bicarbonate (as CaCO3)	970	100	mg/L		Yes

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	PW	SA	Bicarbonate (as $CaCO_3$)	930	50	MG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Bicarbonate (as $CaCO_3$)	900	50	MG/L		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Bromide	62	10	mg/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Bromide	62	10	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Bromide	85	20	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Bromide	77	10	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Bromide	84	4	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Bromide	47	10	mg/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Bromide	46	10	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Bromide	1.2	1	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Bromide	57	20	mg/L	J	Yes
PAD34C	Tier II	09/02/08	FW	SA	Bromide	40	20	mg/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Bromide	81	20	MG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Bromide	99	20	MG/L		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Chloride	13000	400	mg/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Chloride	13000	400	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Chloride	11000	400	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Chloride	12000	400	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Chloride	11000	200	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Chloride	13000	400	mg/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Chloride	13000	400	mg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Chloride	460	40	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Chloride	1600	20	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Chloride	570	10	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Chloride	4800	100	mg/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Chloride	16000	400	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Chloride	21000	400	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Chloride	23000	400	mg/L		Yes

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	PW	SA	Chloride	21000	400	MG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Chloride	24000	400	MG/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Nitrate (as N)	2700	100	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Nitrate/Nitrite (as N)	0.26	0.01	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Nitrate/Nitrite (as N)	0.12	0.01	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Nitrate/Nitrite (as N)	0.065	0.01	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Nitrate/Nitrite (as N)	0.2	0.01	mg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Nitrite (as N)	24	2	mg/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Orthophosphate (as P)	15	50	MG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	pH	6.75	0.1	pH	J	Yes
BM35-32A	Tier I	09/18/08	PW	SA	pH	6.59	0.1	pH	J	Yes
BM36-13	Tier I	09/18/08	PW	SA	pH	7.08	0.1	pH	J	Yes
BM36-13	Tier I	09/18/08	PW	FD	pH	7.14	0.1	pH	J	Yes
BM36-23	Tier I	08/08/08	PW	FD	pH	7.27	0.1	pH		Yes
BM36-23	Tier I	08/08/08	PW	SA	pH	7.34	0.1	pH	J	Yes
BM34-11D	Tier II	09/18/08	PW	SA	pH	7.12	0.1	pH	J	Yes
BM34-12A	Tier II	09/18/08	PW	SA	pH	6.92	0.1	pH	J	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	pH	7.58	0.1	pH	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	pH	7.22	0.1	pH	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	pH	7.6	0.1	pH	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	pH	7.42	0.1	pH	J	Yes
PAD34C	Tier II	09/02/08	FB	SA	pH	7.21	0.1	pH	J	Yes
PAD34C	Tier II	09/02/08	FW	SA	pH	7.62	0.1	pH	J	Yes
PAD34C	Tier II	09/02/08	FW	SA	pH	7.51	0.1	pH	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	pH	6.65	0.1	PH	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	pH	6.76	0.1	PH	J	Yes
BM35-32A	Tier I	09/18/08	PW	SA	Sulfate	27	50	mg/L	J	Yes
BM36-13	Tier I	09/18/08	PW	SA	Sulfate	62	100	mg/L	J	Yes

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	FD	Sulfate	41	50	mg/L	J	Yes
BM36-23	Tier I	08/08/08	PW	SA	Sulfate	76	20	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Sulfate	34	50	mg/L	J	Yes
BM34-12A	Tier II	09/18/08	PW	SA	Sulfate	29	50	mg/L	J	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Sulfate	1800	20	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Sulfate	87	5	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Sulfate	82	2	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Sulfate	99	20	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Sulfate	170	100	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Sulfate	220	100	mg/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Sulfate	38	100	MG/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Sulfate	37	100	MG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	Total Alkalinity (as CaCO3)	1200	50	mg/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Total Alkalinity (as CaCO3)	850	100	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Total Alkalinity (as CaCO3)	600	100	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Total Alkalinity (as CaCO3)	620	100	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Total Alkalinity (as CaCO3)	670	100	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Total Alkalinity (as CaCO3)	2200	100	mg/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Total Alkalinity (as CaCO3)	2300	100	mg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Total Alkalinity (as $CaCO_3$)	760	100	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Alkalinity (as CaCO3)	120	20	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Alkalinity (as CaCO3)	130	20	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Alkalinity (as CaCO3)	220	20	mg/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Total Alkalinity (as CaCO3)	2600	250	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Total Alkalinity (as CaCO3)	1600	100	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Total Alkalinity (as CaCO3)	970	100	mg/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Total Alkalinity (as $CaCO_3$)	930	50	MG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Total Alkalinity (as $CaCO_3$)	900	50	MG/L		Yes

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	07/15/08	PW	SA	Total Dissolved Solids	23000	1000	mg/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Total Dissolved Solids	22000	2000	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Total Dissolved Solids	19000	2000	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Total Dissolved Solids	19000	2000	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Total Dissolved Solids	18000	400	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Total Dissolved Solids	23000	2000	mg/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Total Dissolved Solids	23000	2000	mg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Total Dissolved Solids	24000	400	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Dissolved Solids	3100	80	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Dissolved Solids	1200	40	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Total Dissolved Solids	8700	400	mg/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Total Dissolved Solids	27000	2000	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Total Dissolved Solids	37000	2000	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Total Dissolved Solids	42000	2000	mg/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Total Dissolved Solids	38000	2000	MG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Total Dissolved Solids	38000	2000	MG/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Ammonia (as N)	0.1	0.1	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Ammonia (as N)	0.1	0.1	mg/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Bromide	4	4	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Bromide	0.4	0.4	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Bromide	4	4	mg/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Bromide	20	20	mg/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Carbonate (as CaCO3)	50	50	mg/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Carbonate (as CaCO3)	100	100	mg/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Carbonate (as CaCO3)	100	100	mg/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Carbonate (as CaCO3)	100	100	mg/L	U	No
BM36-23	Tier I	08/08/08	PW	SA	Carbonate (as CaCO3)	100	100	mg/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Carbonate (as CaCO3)	100	100	mg/L	U	No

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM34-12A	Tier II	09/18/08	PW	SA	Carbonate (as CaCO3)	100	100	mg/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Carbonate (as $CaCO_3$)	100	100	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Carbonate (as CaCO3)	20	20	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Carbonate (as CaCO3)	20	20	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Carbonate (as CaCO3)	20	20	mg/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Carbonate (as CaCO3)	250	250	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Carbonate (as CaCO3)	100	100	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Carbonate (as CaCO3)	100	100	mg/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Carbonate (as $CaCO_3$)	50	50	MG/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Carbonate (as $CaCO_3$)	50	50	MG/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Fluoride	5	5	mg/L	UJ	No
BM35-32A	Tier I	09/18/08	PW	SA	Fluoride	5	5	mg/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Fluoride	10	10	mg/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Fluoride	5	5	mg/L	U	No
BM36-23	Tier I	08/08/08	PW	SA	Fluoride	2	2	mg/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Fluoride	5	5	mg/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Fluoride	5	5	mg/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Fluoride	2	2	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Fluoride	0.5	0.5	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Fluoride	0.2	0.2	mg/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Fluoride	2	2	mg/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Fluoride	10	10	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Fluoride	10	10	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Fluoride	10	10	mg/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Fluoride	10	10	MG/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Fluoride	10	10	MG/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Nitrate (as N)	10	10	mg/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Nitrate (as N)	10	10	mg/L	U	No

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	09/18/08	PW	SA	Nitrate (as N)	20	20	mg/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Nitrate (as N)	10	10	mg/L	U	No
BM34-11D	Tier II	09/18/08	PW	SA	Nitrate (as N)	10	10	mg/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Nitrate (as N)	10	10	mg/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Nitrate (as N)	20	20	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nitrate (as N)	20	20	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Nitrate (as N)	20	20	mg/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Nitrate (as N)	20	20	MG/L	U	No
SP31-13	Tier II	9/25/2008	PW	FD	Nitrate (as N)	20	20	MG/L	U	No
BM35-32A	Tier I	07/15/08	PW	SA	Nitrite (as N)	5	5	mg/L	UJ	No
BM35-32A	Tier I	09/18/08	PW	SA	Nitrite (as N)	5	5	mg/L	UJ	No
BM36-13	Tier I	09/18/08	PW	SA	Nitrite (as N)	10	10	mg/L	UJ	No
BM36-13	Tier I	09/18/08	PW	FD	Nitrite (as N)	5	5	mg/L	UJ	No
BM34-11D	Tier II	09/18/08	PW	SA	Nitrite (as N)	5	5	mg/L	UJ	No
BM34-12A	Tier II	09/18/08	PW	SA	Nitrite (as N)	5	5	mg/L	UJ	No
PAD34C	Tier II	09/02/08	FB	SA	Nitrite (as N)	10	10	mg/L	UJ	No
PAD34C	Tier II	09/02/08	FW	SA	Nitrite (as N)	10	10	mg/L	UJ	No
PAD34C	Tier II	09/02/08	FW	SA	Nitrite (as N)	10	10	mg/L	UJ	No
SP31-13	Tier II	9/25/2008	PW	SA	Nitrite (as N)	10	10	MG/L	UJ	No
SP31-13	Tier II	9/25/2008	PW	FD	Nitrite (as N)	10	10	MG/L	UJ	No
BM35-32A	Tier I	07/15/08	PW	SA	Orthophosphate (as P)	25	25	mg/L	U	No
BM35-32A	Tier I	09/18/08	PW	SA	Orthophosphate (as P)	25	25	mg/L	U	No
BM36-13	Tier I	09/18/08	PW	SA	Orthophosphate (as P)	50	50	mg/L	U	No
BM36-13	Tier I	09/18/08	PW	FD	Orthophosphate (as P)	25	25	mg/L	U	No
BM36-23	Tier I	08/08/08	PW	SA	Orthophosphate (as P)	10	10	mg/L	UJ	No
BM34-11D	Tier II	09/18/08	PW	SA	Orthophosphate (as P)	25	25	mg/L	U	No
BM34-12A	Tier II	09/18/08	PW	SA	Orthophosphate (as P)	25	25	mg/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Orthophosphate (as P)	10	10	mg/L	UJ	No

Table 4
Summary of Major and Minor Anion and pH Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Orthophosphate (as P)	2.5	2.5	mg/L	UJ	No
PAD34C	Tier II	08/20/08	FW	SA	Orthophosphate (as P)	1	1	mg/L	UJ	No
PAD34C	Tier II	08/20/08	FW	SA	Orthophosphate (as P)	10	10	mg/L	UJ	No
PAD34C	Tier II	09/02/08	FB	SA	Orthophosphate (as P)	50	50	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Orthophosphate (as P)	50	50	mg/L	U	No
PAD34C	Tier II	09/02/08	FW	SA	Orthophosphate (as P)	50	50	mg/L	U	No
SP31-13	Tier II	9/25/2008	PW	SA	Orthophosphate (as P)	50	50	MG/L	UJ	No
BM35-32A	Tier I	07/15/08	PW	SA	Sulfate	50	50	mg/L	U	No
PAD34C	Tier II	09/02/08	FB	SA	Sulfate	100	100	mg/L	U	No

Notes: FB = flowback water; FW = fracing fluids; PW = produced water, NG = natural gas; ST = stormwater; SA = primary sample; FD = field duplicate; µg/L = micrograms per liter; mg/L = milligrams per liter; U = analyte was analyzed but was not detected above the reporting limit; J = the reported analytical result is estimated; UJ = the analyte was analyzed for but was not detected above the reporting limit; the reported analytical result is an estimate.

Table 5
Summary of Gasoline, Diesel, and Motor Oil Constituent Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	07/15/08	PW	SA	Benzene	13000	5000	ug/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Benzene	15000	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Benzene	22000	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Benzene	24000	5000	ug/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Benzene	10000	5000	ug/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Benzene	18000	5000	ug/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Benzene	17000	5000	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Benzene	2.7	5	ug/L	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	Benzene	310	50	ug/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Benzene	540	250	ug/L	J	Yes
PAD34C	Tier II	09/02/08	FW	SA	Benzene	970	250	ug/L	J	Yes
PAD34C	Tier II	09/02/08	FW	SA	Benzene	610	250	ug/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Benzene	16000	2500	UG/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Benzene	6200	2500	UG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	Diesel Range Organics	250	9.5	mg/L	G	Yes
BM35-32A	Tier I	09/18/08	PW	SA	Diesel Range Organics	150	2	mg/L	L	Yes
BM36-13	Tier I	09/18/08	PW	SA	Diesel Range Organics	130	2	mg/L	L	Yes
BM36-13	Tier I	09/18/08	PW	FD	Diesel Range Organics	100	1	mg/L	L	Yes
BM36-23	Tier I	08/08/08	PW	SA	Diesel Range Organics	100	1.9	mg/L	L	Yes
BM34-11D	Tier II	09/18/08	PW	SA	Diesel Range Organics	78	1	mg/L	L	Yes
BM34-12A	Tier II	09/18/08	PW	SA	Diesel Range Organics	80	1	mg/L	L	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Diesel Range Organics	7.6	0.1	mg/L	D	Yes
PAD34C	Tier II	08/20/08	FW	SA	Diesel Range Organics	32	0.38	mg/L	D,Z	Yes
PAD34C	Tier II	08/20/08	FW	SA	Diesel Range Organics	19	0.38	mg/L	Z	Yes
PAD34C	Tier II	08/20/08	FW	SA	Diesel Range Organics	21	0.38	mg/L	D,Z	Yes
PAD34C	Tier II	09/02/08	FB	SA	Diesel Range Organics	1100	16	mg/L	D	Yes
PAD34C	Tier II	09/02/08	FW	SA	Diesel Range Organics	28	0.4	mg/L	L,D	Yes
PAD34C	Tier II	09/02/08	FW	SA	Diesel Range Organics	87	1	mg/L	L,D	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Diesel Range Organics	510	9.4	MG/L	L,D	Yes

Table 5
Summary of Gasoline, Diesel, and Motor Oil Constituent Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	PW	FD	Diesel Range Organics	600	9.5	MG/L	L,D	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Dissolved Methane	1400	1	UG/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Dissolved Methane	2400	1	UG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	Ethylbenzene	7700	5000	ug/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Ethylbenzene	2900	5000	ug/L	J	Yes
BM36-13	Tier I	09/18/08	PW	SA	Ethylbenzene	8400	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Ethylbenzene	6600	5000	ug/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Ethylbenzene	8900	5000	ug/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Ethylbenzene	3500	5000	ug/L	J	Yes
BM34-12A	Tier II	09/18/08	PW	SA	Ethylbenzene	3700	5000	ug/L	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	Ethylbenzene	16	5	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Ethylbenzene	13	5	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Ethylbenzene	94	50	ug/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Ethylbenzene	660	250	ug/L	J	Yes
PAD34C	Tier II	09/02/08	FW	SA	Ethylbenzene	220	250	ug/L	J	Yes
PAD34C	Tier II	09/02/08	FW	SA	Ethylbenzene	140	250	ug/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Ethylbenzene	5100	2500	UG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Ethylbenzene	1400	2500	UG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	Gasoline Range Organics	100	2.5	mg/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Gasoline Range Organics	150	10	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Gasoline Range Organics	340	10	mg/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Gasoline Range Organics	350	10	mg/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Gasoline Range Organics	94	2	mg/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Gasoline Range Organics	81	5	mg/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Gasoline Range Organics	230	10	mg/L		Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Gasoline Range Organics	0.087	0.1	mg/L	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	Gasoline Range Organics	0.78	0.1	mg/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Gasoline Range Organics	0.064	0.1	mg/L	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	Gasoline Range Organics	3.5	0.1	mg/L		Yes

Table 5
Summary of Gasoline, Diesel, and Motor Oil Constituent Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	09/02/08	FB	SA	Gasoline Range Organics	140	10	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Gasoline Range Organics	64	10	mg/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Gasoline Range Organics	100	10	mg/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Gasoline Range Organics	52	10	MG/L		Yes
SP31-13	Tier II	9/25/2008	PW	FD	Gasoline Range Organics	65	10	MG/L		Yes
BM35-32A	Tier I	07/15/08	PW	SA	M+P-Xylene	120000	5000	ug/L	J	Yes
BM35-32A	Tier I	09/18/08	PW	SA	M+P-Xylene	41000	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	M+P-Xylene	110000	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	M+P-Xylene	91000	5000	ug/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	M+P-Xylene	130000	5000	ug/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	M+P-Xylene	43000	5000	ug/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	M+P-Xylene	45000	5000	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	M+P-Xylene	22	5	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	M+P-Xylene	4.6	5	ug/L	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	M+P-Xylene	160	50	ug/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	M+P-Xylene	9600	250	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	M+P-Xylene	3000	250	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	M+P-Xylene	1900	250	ug/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	M+P-Xylene	71000	2500	UG/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	M+P-Xylene	19000	2500	UG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	Methane	1700	1	ug/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	Methane	4700	1	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Methane	5700	1	ug/L	J	Yes
BM36-13	Tier I	09/18/08	PW	FD	Methane	1900	1	ug/L	J	Yes
BM36-23	Tier I	08/08/08	PW	FD	Methane	2680	1	ug/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Methane	2600	1	ug/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Methane	1800	1	ug/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Methane	1900	1	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Methane	2.6	1	ug/L		Yes

Table 5
Summary of Gasoline, Diesel, and Motor Oil Constituent Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	Methane	30	1	ug/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Methane	1700	1	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Methane	110	1	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Methane	74	1	ug/L		Yes
BM35-32A	Tier I	07/15/08	PW	SA	Motor Oil Range Organics	2.3	2.4	mg/L	J	Yes
BM35-32A	Tier I	09/18/08	PW	SA	Motor Oil Range Organics	1.9	2	mg/L	J	Yes
BM36-13	Tier I	09/18/08	PW	SA	Motor Oil Range Organics	0.92	2	mg/L	J	Yes
BM36-13	Tier I	09/18/08	PW	FD	Motor Oil Range Organics	1	1	mg/L	Z	Yes
BM36-23	Tier I	08/08/08	PW	SA	Motor Oil Range Organics	1.7	1.9	mg/L	J	Yes
BM34-11D	Tier II	09/18/08	PW	SA	Motor Oil Range Organics	3.6	1	mg/L	Z	Yes
BM34-12A	Tier II	09/18/08	PW	SA	Motor Oil Range Organics	4.1	1	mg/L	Z	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Motor Oil Range Organics	3.8	0.1	mg/L	M	Yes
PAD34C	Tier II	08/20/08	FW	SA	Motor Oil Range Organics	5.7	0.38	mg/L	Z	Yes
PAD34C	Tier II	08/20/08	FW	SA	Motor Oil Range Organics	4.4	0.38	mg/L	Z	Yes
PAD34C	Tier II	08/20/08	FW	SA	Motor Oil Range Organics	5.9	0.38	mg/L	Z	Yes
PAD34C	Tier II	09/02/08	FB	SA	Motor Oil Range Organics	79	16	mg/L	L,Z	Yes
PAD34C	Tier II	09/02/08	FW	SA	Motor Oil Range Organics	4.3	0.4	mg/L	L,Z,M	Yes
PAD34C	Tier II	09/02/08	FW	SA	Motor Oil Range Organics	18	1	mg/L	L,M,Z	Yes
SP31-13	Tier II	9/25/2008	PW	SA	Motor Oil Range Organics	5.4	9.4	MG/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Motor Oil Range Organics	8.5	9.5	MG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	O-Xylene	19000	5000	ug/L		Yes
BM35-32A	Tier I	09/18/08	PW	SA	O-Xylene	6700	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	O-Xylene	20000	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	O-Xylene	16000	5000	ug/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	O-Xylene	23000	5000	ug/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	O-Xylene	7100	5000	ug/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	O-Xylene	7500	5000	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	O-Xylene	10	5	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	O-Xylene	2	5	ug/L	J	Yes

Table 5
Summary of Gasoline, Diesel, and Motor Oil Constituent Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PAD34C	Tier II	08/20/08	FW	SA	O-Xylene	150	50	ug/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	O-Xylene	1600	250	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	O-Xylene	590	250	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	O-Xylene	350	250	ug/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	O-Xylene	10000	2500	UG/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	O-Xylene	2800	2500	UG/L	J	Yes
BM35-32A	Tier I	07/15/08	PW	SA	Toluene	63000	5000	ug/L	J	Yes
BM35-32A	Tier I	09/18/08	PW	SA	Toluene	44000	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	SA	Toluene	68000	5000	ug/L		Yes
BM36-13	Tier I	09/18/08	PW	FD	Toluene	70000	5000	ug/L		Yes
BM36-23	Tier I	08/08/08	PW	SA	Toluene	71000	5000	ug/L		Yes
BM34-11D	Tier II	09/18/08	PW	SA	Toluene	58000	5000	ug/L		Yes
BM34-12A	Tier II	09/18/08	PW	SA	Toluene	53000	5000	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Toluene	13	5	ug/L		Yes
PAD34C	Tier II	08/20/08	FW	SA	Toluene	1.7	5	ug/L	J	Yes
PAD34C	Tier II	08/20/08	FW	SA	Toluene	1100	50	ug/L		Yes
PAD34C	Tier II	09/02/08	FB	SA	Toluene	2900	250	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Toluene	3000	250	ug/L		Yes
PAD34C	Tier II	09/02/08	FW	SA	Toluene	1600	250	ug/L		Yes
SP31-13	Tier II	9/25/2008	PW	SA	Toluene	60000	2500	UG/L	J	Yes
SP31-13	Tier II	9/25/2008	PW	FD	Toluene	19000	2500	UG/L	J	Yes
FH15-13BB	Tier II	8/28/2008	MF	SA	Benzene	5	5	ug/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Benzene	5	5	ug/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Dissolved Methane	1	1	ug/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Ethylbenzene	5	5	ug/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	M+P-Xylene	5	5	ug/L	U	No
PAD34C	Tier II	08/20/08	FW	SA	Methane	1	1	ug/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	O-Xylene	5	5	ug/L	U	No
FH15-13BB	Tier II	8/28/2008	MF	SA	Toluene	5	5	ug/L	U	No

Table 5
Summary of Gasoline, Diesel, and Motor Oil Constituent Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?

Notes: FB = flowback water; FW = fracing fluids; PW = produced water, NG = natural gas; ST = stormwater; SA = primary sample; FD = field duplicate; µg/L = micrograms per liter; mg/L = milligrams per liter; U = analyte was analyzed but was not detected above the reporting limit; J = the reported analytical result is estimated; UJ = the analyte was analyzed for but was not detected above the reporting limit; the reported analytical result is an estimate; E = the reported result is estimated at higher reporting limit; H = fuel pattern was in the heavier end of the retention time window; L = fuel pattern was in the lighter end of the retention time window; Z = fuel pattern did not resemble typical petroleum hydrocarbon patterns (e.g., gasoline, JP4, JP8, diesel, mineral spirits, motor oil, Stoddard solvent, or bunker C).

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	9/18/2008	NG	SA	Argon	0.0176	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Argon	0.0128	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Argon	0.0101	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Argon	0.0074	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	BTU	1051	-----	BTU/Ft^3		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	BTU	1043	-----	BTU/Ft^3		Yes
BM36-13	Tier I	9/18/2008	NG	SA	BTU	1052	-----	BTU/Ft^3		Yes
BM36-13	Tier I	9/18/2008	NG	FD	BTU	1066	-----	BTU/Ft^3		Yes
BM36-23	Tier I	7/8/2008	NG	sa	BTU	1082	-----	BTU/Ft^3		Yes
BM36-23	Tier I	9/18/2008	NG	SA	BTU	1087	-----	BTU/Ft^3		Yes
BE11-43	Tier II	7/8/2008	NG	SA	BTU	1013	-----	BTU/Ft^3		Yes
BE11-44	Tier II	7/8/2008	NG	SA	BTU	1056	-----	BTU/Ft^3		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	BTU	1013	-----	BTU/Ft^3		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	BTU	999	-----	BTU/Ft^3		Yes
CL15-23	Tier II	7/8/2008	NG	SA	BTU	1051	-----	BTU/Ft^3		Yes
CL15-24	Tier II	7/8/2008	NG	SA	BTU	1038	-----	BTU/Ft^3		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	BTU	1082	-----	BTU/Ft^3		Yes
CW15-34	Tier II	7/8/2008	NG	SA	BTU	1049	-----	BTU/Ft^3		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	BTU	1125	-----	BTU/Ft^3		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	BTU	1126	-----	BTU/Ft^3		Yes
GF21-15	Tier II	7/8/2008	NG	SA	BTU	1112	-----	BTU/Ft^3		Yes
PA24-12	Tier II	7/7/2008	NG	SA	BTU	1019	-----	BTU/Ft^3		Yes
PA44-12	Tier II	7/7/2008	NG	SA	BTU	1048	-----	BTU/Ft^3		Yes
SP31-13	Tier II	9/25/2008	NG	FD	BTU	1036	-----	BTU/Ft^3		Yes
SP31-13	Tier II	9/25/2008	NG	SA	BTU	1038	-----	BTU/Ft^3		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	C6+	0.198	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	C6+	0.136	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-13	Tier I	9/18/2008	NG	FD	C6+	0.0932	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	C6+	0.115	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	C6+	0.169	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	C6+	0.17	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	C6+	0.119	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	C6+	0.168	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	C6+	0.145	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	C6+	0.189	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	C6+	0.153	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	C6+	0.158	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	C6+	0.344	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	C6+	0.149	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	C6+	0.386	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	C6+	0.412	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	C6+	0.347	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	C6+	0.131	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	C6+	0.187	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	C6+	0.106	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	C6+	0.116	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Carbon Dioxide	4.17	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Carbon Dioxide	4.04	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Carbon Dioxide	1.3	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Carbon Dioxide	1.3	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Carbon Dioxide	1.28	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Carbon Dioxide	1.57	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Carbon Dioxide	3.8	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Carbon Dioxide	2.67	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM34-11D	Tier II	9/18/2008	NG	SA	Carbon Dioxide	8.61	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Carbon Dioxide	8.73	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Carbon Dioxide	1.64	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Carbon Dioxide	2.15	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Carbon Dioxide	2.05	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Carbon Dioxide	1.74	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Carbon Dioxide	1.09	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Carbon Dioxide	1.13	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Carbon Dioxide	1.25	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Carbon Dioxide	3.52	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Carbon Dioxide	2.49	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Carbon Dioxide	3.32	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Carbon Dioxide	3.36	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	$d^{13}C_{Methane}$	-37.24	-----	‰		Yes
BM36-13	Tier I	9/18/2008	NG	FD	$d^{13}C_{Methane}$	-37.38	-----	‰		Yes
BM36-13	Tier I	9/18/2008	NG	SA	$d^{13}C_{Methane}$	-35.58	-----	‰		Yes
BM36-23	Tier I	9/18/2008	NG	SA	$d^{13}C_{Methane}$	-37.38	-----	‰		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	$d^{13}C_{Methane}$	-37.57	-----	‰		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	$d^{13}C_{Methane}$	-37.44	-----	‰		Yes
SP31-13	Tier II	9/25/2008	NG	SA	$d^{13}C_{Methane}$	-37.22	-----	‰		Yes
SP31-13	Tier II	9/25/2008	NG	FD	$d^{13}C_{Methane}$	-36.45	-----	‰		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Ethane	4.61	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Ethane	4.43	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Ethane	4.39	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Ethane	4.46	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Ethane	4.81	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Ethane	5.38	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BE11-43	Tier II	7/8/2008	NG	SA	Ethane	2.59	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Ethane	4.33	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Ethane	5.13	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Ethane	4.97	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Ethane	3.35	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Ethane	2.79	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Ethane	4.7	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Ethane	3.05	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Ethane	6.02	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Ethane	6.02	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Ethane	5.55	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Ethane	3.43	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Ethane	3.88	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Ethane	3.84	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Ethane	3.89	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Helium	0.0034	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Helium	0.0024	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Helium	0.0032	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Helium	0.0034	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Helium	0.0024	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Helium	0.0023	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Helium	0.0025	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Helium	0.0031	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Helium	0.0024	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Helium	0.0024	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Helium	0.0037	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Helium	0.0034	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
CW15-33D	Tier II	7/8/2008	NG	SA	Helium	0.002	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Helium	0.0027	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Helium	0.0027	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Helium	0.0027	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Helium	0.003	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Helium	0.0023	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Helium	0.002	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Helium	0.0022	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Helium	0.0024	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Hydrogen	0.0052	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Hydrogen	0.0028	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Hydrogen	0.0056	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Hydrogen	0.0059	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Hydrogen	0.004	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Hydrogen	0.0015	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Hydrogen	0.0025	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Hydrogen	0.0067	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Hydrogen	0.0075	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Hydrogen	0.0022	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Hydrogen	0.0028	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Hydrogen	0.0024	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Hydrogen	0.0033	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Hydrogen	0.0027	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Hydrogen	0.0027	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Hydrogen	0.0026	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Hydrogen	0.0027	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Hydrogen	0.0039	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	NG	SA	Hydrogen	0.0043	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Hydrogen	0.0049	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Iso-Butane	0.267	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Iso-Butane	0.235	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Iso-Butane	0.21	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Iso-Butane	0.232	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Iso-Butane	0.265	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Iso-Butane	0.307	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Iso-Butane	0.112	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Iso-Butane	0.231	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Iso-Butane	0.304	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Iso-Butane	0.286	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Iso-Butane	0.178	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Iso-Butane	0.143	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Iso-Butane	0.29	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Iso-Butane	0.166	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Iso-Butane	0.386	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Iso-Butane	0.39	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Iso-Butane	0.382	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Iso-Butane	0.166	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Iso-Butane	0.227	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Iso-Butane	0.178	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Iso-Butane	0.183	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Iso-Pentane	0.108	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Iso-Pentane	0.0878	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Iso-Pentane	0.0621	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Iso-Pentane	0.0842	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-23	Tier I	7/8/2008	NG	sa	Iso-Pentane	0.111	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Iso-Pentane	0.121	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.0398	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.0857	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Iso-Pentane	0.118	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Iso-Pentane	0.116	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.0469	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.061	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.13	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.0709	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.206	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Iso-Pentane	0.208	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Iso-Pentane	0.17	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Iso-Pentane	0.0596	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Iso-Pentane	0.0917	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Iso-Pentane	0.0676	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Iso-Pentane	0.0693	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Methane	90.65	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Methane	91.06	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Methane	91.23	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Methane	91.25	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Methane (C1)	88.98	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Methane (C1)	89.54	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Methane (C1)	90.44	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Methane (C1)	92.19	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Methane (C1)	91.6	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Methane (C1)	90.41	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BE11-43	Tier II	7/8/2008	NG	SA	Methane (C1)	92.62	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Methane (C1)	91.03	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Methane (C1)	83.6	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Methane (C1)	82.44	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Methane (C1)	93.3	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Methane (C1)	93.67	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Methane (C1)	90.79	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Methane (C1)	93.78	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Methane (C1)	89.1	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Methane (C1)	89.21	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Methane (C1)	89.86	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	N-Butane	0.264	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	N-Butane	0.216	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	N-Butane	0.196	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	N-Butane	0.232	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	N-Butane	0.277	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	N-Butane	0.311	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	N-Butane	0.0865	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	N-Butane	0.204	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	N-Butane	0.322	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	N-Butane	0.313	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	N-Butane	0.146	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	N-Butane	0.136	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	N-Butane	0.282	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	N-Butane	0.171	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	N-Butane	0.515	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	N-Butane	0.516	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
GF21-15	Tier II	7/8/2008	NG	SA	N-Butane	0.434	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	N-Butane	0.132	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	N-Butane	0.203	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	N-Butane	0.154	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	N-Butane	0.157	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Nitrogen	0.059	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Nitrogen	0.11	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Nitrogen	0.23	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Nitrogen	1.56	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Nitrogen	0.08	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Nitrogen	0.13	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Nitrogen	0.073	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Nitrogen	0.11	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Nitrogen	0.15	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Nitrogen	1.12	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Nitrogen	0.16	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Nitrogen	0.14	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Nitrogen	0.012	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Nitrogen	0.015	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Nitrogen	0.028	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Nitrogen	0.043	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Nitrogen	0.021	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Nitrogen	0.89	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Nitrogen	0.62	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Nitrogen	0.1	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Nitrogen	0.12	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	N-Pentane	0.0795	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM35-32A	Tier I	9/18/2008	NG	SA	N-Pentane	0.061	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	N-Pentane	0.0429	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	N-Pentane	0.0616	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	N-Pentane	0.0825	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	N-Pentane	0.0872	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	n-Pentane	0.026	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	n-Pentane	0.0585	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	N-Pentane	0.0872	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	N-Pentane	0.0896	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	n-Pentane	0.0333	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	n-Pentane	0.0431	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	n-Pentane	0.0951	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	n-Pentane	0.0487	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	n-Pentane	0.165	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	n-Pentane	0.168	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	n-Pentane	0.117	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	N-Pentane	0.0388	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	N-Pentane	0.0623	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	N-Pentane	0.044	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	N-Pentane	0.0451	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Oxygen	0.0071	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Oxygen	0.0201	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Oxygen	0.0405	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Oxygen	0.372	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Oxygen	0.0075	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Oxygen	0.0211	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Oxygen	0.0089	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BE11-44	Tier II	7/8/2008	NG	SA	Oxygen	0.0174	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Oxygen	0.0163	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Oxygen	0.257	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Oxygen	0.027	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Oxygen	0.0276	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Oxygen	0.209	-----	%		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Oxygen	0.145	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Oxygen	0.0172	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Oxygen	0.0287	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Propane	1.25	-----	%		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Propane	1.12	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Propane	1.17	-----	%		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Propane	1.19	-----	%		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Propane	1.32	-----	%		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Propane	1.49	-----	%		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Propane	0.522	-----	%		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Propane	1.09	-----	%		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Propane	1.51	-----	%		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Propane	1.47	-----	%		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Propane	0.962	-----	%		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Propane	0.679	-----	%		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Propane	1.3	-----	%		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Propane	0.808	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Propane	1.99	-----	%		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Propane	2.01	-----	%		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Propane	1.86	-----	%		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Propane	0.754	-----	%		Yes

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
PA44-12	Tier II	7/7/2008	NG	SA	Propane	1.02	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Propane	0.846	-----	%		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Propane	0.866	-----	%		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Specific Gravity	0.645	-----	ρ_g/ρ_a		Yes
BM35-32A	Tier I	9/18/2008	NG	SA	Specific Gravity	0.639	-----	ρ_g/ρ_a		Yes
BM36-13	Tier I	9/18/2008	NG	FD	Specific Gravity	0.611	-----	ρ_g/ρ_a		Yes
BM36-13	Tier I	9/18/2008	NG	SA	Specific Gravity	0.62	-----	ρ_g/ρ_a		Yes
BM36-23	Tier I	7/8/2008	NG	sa	Specific Gravity	0.618	-----	ρ_g/ρ_a		Yes
BM36-23	Tier I	9/18/2008	NG	SA	Specific Gravity	0.627	-----	ρ_g/ρ_a		Yes
BE11-43	Tier II	7/8/2008	NG	SA	Specific Gravity	0.616	-----	ρ_g/ρ_a		Yes
BE11-44	Tier II	7/8/2008	NG	SA	Specific Gravity	0.625	-----	ρ_g/ρ_a		Yes
BM34-11D	Tier II	9/18/2008	NG	SA	Specific Gravity	0.694	-----	ρ_g/ρ_a		Yes
BM34-12A	Tier II	9/18/2008	NG	SA	Specific Gravity	0.7	-----	ρ_g/ρ_a		Yes
CL15-23	Tier II	7/8/2008	NG	SA	Specific Gravity	0.606	-----	ρ_g/ρ_a		Yes
CL15-24	Tier II	7/8/2008	NG	SA	Specific Gravity	0.605	-----	ρ_g/ρ_a		Yes
CW15-33D	Tier II	7/8/2008	NG	SA	Specific Gravity	0.63	-----	ρ_g/ρ_a		Yes
CW15-34	Tier II	7/8/2008	NG	SA	Specific Gravity	0.604	-----	ρ_g/ρ_a		Yes
FE28-15X	Tier II	7/8/2008	NG	SA	Specific Gravity	0.643	-----	ρ_g/ρ_a		Yes
FE28-15X	Tier II	7/8/2008	NG	FD	Specific Gravity	0.644	-----	ρ_g/ρ_a		Yes
GF21-15	Tier II	7/8/2008	NG	SA	Specific Gravity	0.637	-----	ρ_g/ρ_a		Yes
PA24-12	Tier II	7/7/2008	NG	SA	Specific Gravity	0.626	-----	ρ_g/ρ_a		Yes
PA44-12	Tier II	7/7/2008	NG	SA	Specific Gravity	0.624	-----	ρ_g/ρ_a		Yes
SP31-13	Tier II	9/25/2008	NG	SA	Specific Gravity	0.0624	-----	ρ_g/ρ_a		Yes
SP31-13	Tier II	9/25/2008	NG	FD	Specific Gravity	0.623	-----	ρ_g/ρ_a		Yes
BM35-32A	Tier I	7/15/2008	NG	sa	Argon	0	-----	%	U	No
BM35-32A	Tier I	9/18/2008	NG	SA	Argon	0	-----	%	U	No
BM36-13	Tier I	9/18/2008	NG	FD	Argon	0	-----	%	U	No

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
BM36-23	Tier I	7/8/2008	NG	sa	Argon	0	-----	%	U	No
BM36-23	Tier I	9/18/2008	NG	SA	Argon	0	-----	%	U	No
BE11-43	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
BE11-44	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
BM34-11D	Tier II	9/18/2008	NG	SA	Argon	0	-----	%	U	No
CL15-23	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
CL15-24	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
CW15-33D	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
CW15-34	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	FD	Argon	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
GF21-15	Tier II	7/8/2008	NG	SA	Argon	0	-----	%	U	No
SP31-13	Tier II	9/25/2008	NG	FD	Argon	0	-----	%	U	No
SP31-13	Tier II	9/25/2008	NG	SA	Argon	0	-----	%	U	No
BM35-32A	Tier I	7/15/2008	NG	sa	Carbon Monoxide	0	-----	%	U	No
BM35-32A	Tier I	9/18/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
BM36-13	Tier I	9/18/2008	NG	FD	Carbon Monoxide	0	-----	%	U	No
BM36-13	Tier I	9/18/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
BM36-23	Tier I	7/8/2008	NG	sa	Carbon Monoxide	0	-----	%	U	No
BM36-23	Tier I	9/18/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
BE11-43	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
BE11-44	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
BM34-11D	Tier II	9/18/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
BM34-12A	Tier II	9/18/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
CL15-23	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
CL15-24	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
CW15-33D	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
CW15-34	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	FD	Carbon Monoxide	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
GF21-15	Tier II	7/8/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
PA24-12	Tier II	7/7/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
PA44-12	Tier II	7/7/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
SP31-13	Tier II	9/25/2008	NG	FD	Carbon Monoxide	0	-----	%	U	No
SP31-13	Tier II	9/25/2008	NG	SA	Carbon Monoxide	0	-----	%	U	No
BM35-32A	Tier I	7/15/2008	NG	sa	Ethylene	0	-----	%	U	No
BM35-32A	Tier I	9/18/2008	NG	SA	Ethylene	0	-----	%	U	No
BM36-13	Tier I	9/18/2008	NG	FD	Ethylene	0	-----	%	U	No
BM36-13	Tier I	9/18/2008	NG	SA	Ethylene	0	-----	%	U	No
BM36-23	Tier I	7/8/2008	NG	sa	Ethylene	0	-----	%	U	No
BM36-23	Tier I	9/18/2008	NG	SA	Ethylene	0	-----	%	U	No
BE11-43	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
BE11-44	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
BM34-11D	Tier II	9/18/2008	NG	SA	Ethylene	0	-----	%	U	No
BM34-12A	Tier II	9/18/2008	NG	SA	Ethylene	0	-----	%	U	No
CL15-23	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
CL15-24	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
CW15-33D	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
CW15-34	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	FD	Ethylene	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
GF21-15	Tier II	7/8/2008	NG	SA	Ethylene	0	-----	%	U	No
PA24-12	Tier II	7/7/2008	NG	SA	Ethylene	0	-----	%	U	No
PA44-12	Tier II	7/7/2008	NG	SA	Ethylene	0	-----	%	U	No

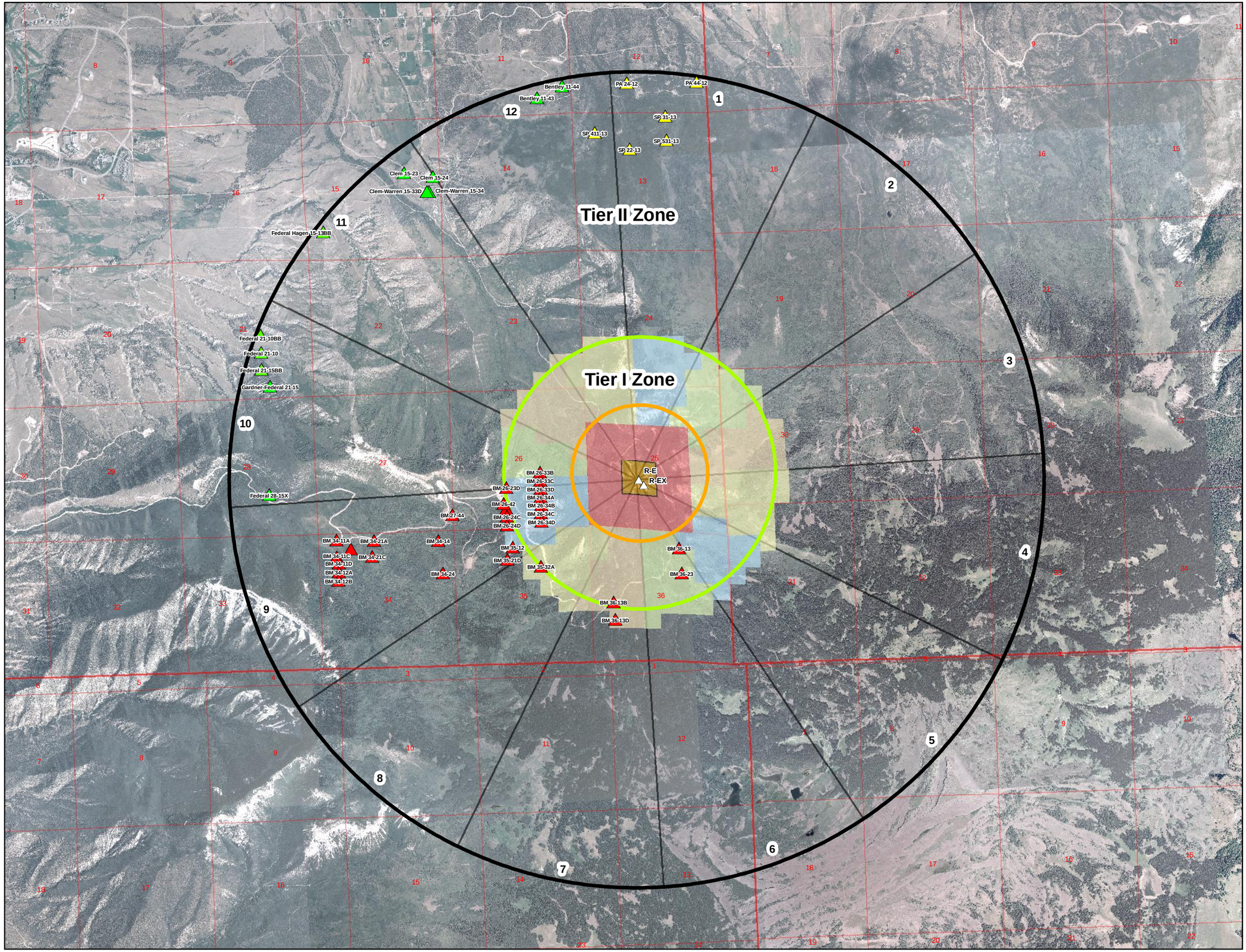
Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
SP31-13	Tier II	9/25/2008	NG	FD	Ethylene	0	-----	%	U	No
SP31-13	Tier II	9/25/2008	NG	SA	Ethylene	0	-----	%	U	No
BM36-23	Tier I	7/8/2008	NG	sa	Hydrogen	0	-----	%	U	No
BM35-32A	Tier I	7/15/2008	NG	sa	Hydrogen Sulfide	0	-----	%	U	No
BM35-32A	Tier I	9/18/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
BM36-13	Tier I	9/18/2008	NG	FD	Hydrogen Sulfide	0	-----	%	U	No
BM36-13	Tier I	9/18/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
BM36-23	Tier I	7/8/2008	NG	sa	Hydrogen Sulfide	0	-----	%	U	No
BM36-23	Tier I	9/18/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
BE11-43	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
BE11-44	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
BM34-11D	Tier II	9/18/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
BM34-12A	Tier II	9/18/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
CL15-23	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
CL15-24	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
CW15-33D	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
CW15-34	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	FD	Hydrogen Sulfide	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
GF21-15	Tier II	7/8/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
PA24-12	Tier II	7/7/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
PA44-12	Tier II	7/7/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
SP31-13	Tier II	9/25/2008	NG	FD	Hydrogen Sulfide	0	-----	%	U	No
SP31-13	Tier II	9/25/2008	NG	SA	Hydrogen Sulfide	0	-----	%	U	No
CW15-33D	Tier II	7/8/2008	NG	SA	Oxygen	0	-----	%	U	No
CW15-34	Tier II	7/8/2008	NG	SA	Oxygen	0	-----	%	U	No
FE28-15X	Tier II	7/8/2008	NG	FD	Oxygen	0	-----	%	U	No

Table 6
Summary of Natural Gas Composition Analyses

Well Number	Well Type	Sample Date	Medium	Sample Type	Parameter	Concentration	Reporting Limit	Units	Flag	Detected ?
FE28-15X	Tier II	7/8/2008	NG	SA	Oxygen	0	-----	%	U	No
GF21-15	Tier II	7/8/2008	NG	SA	Oxygen	0	-----	%	U	No

Notes: NG = natural gas; SA = primary sample; FD = field duplicate; % = percent; BTU/Ft^3 = British Thermal Units per cubic foot at 14.696 psia and 60 ^oF; ρg/ρa = relative density (ratio of natural gas density to air density) at 14.696 psia and 60 ^oF; U = analyte was analyzed but was not detected above the reporting limit.



Legend

- Existing EnCana Well
- Existing Noble Well
- Existing Williams Well
- Project Rulison Well
- COGCC Half- Mile Radius
- 1 Mile Radius Tier I Zone
- 3 Mile Radius Tier II Zone
- Project Rulison Lot 11
- 100 *Noble-Williams 2008 Voluntary Drilling Moratorium*
- 1 *Tier I Sector 1*
- 2 *Tier I Sector 2*
- 3 *Tier I Sector 3*
- 4 *Tier I Sector 4*
- 5 *Tier I Sector 5*
- 6 *Tier I Sector 6*
- 7 *Tier I Sector 7*
- 8 *Tier I Sector 8*
- 9 *Tier I Sector 9*
- 10 *Tier I Sector 10*
- 11 *Tier I Sector 11*
- 12 *Tier I Sector 12*
- Township-Range-Section
- Monitoring Sectors

N

0 0.5 1

Miles

File Path = Y:\GIS\Projects\Prescol\mxds\Rulison Gas Well Locations 11_x_17..mxd

Figure 1
Gas Well Locations
Third Quarter 2008
Project Rulison Area
Garfield County, Colorado

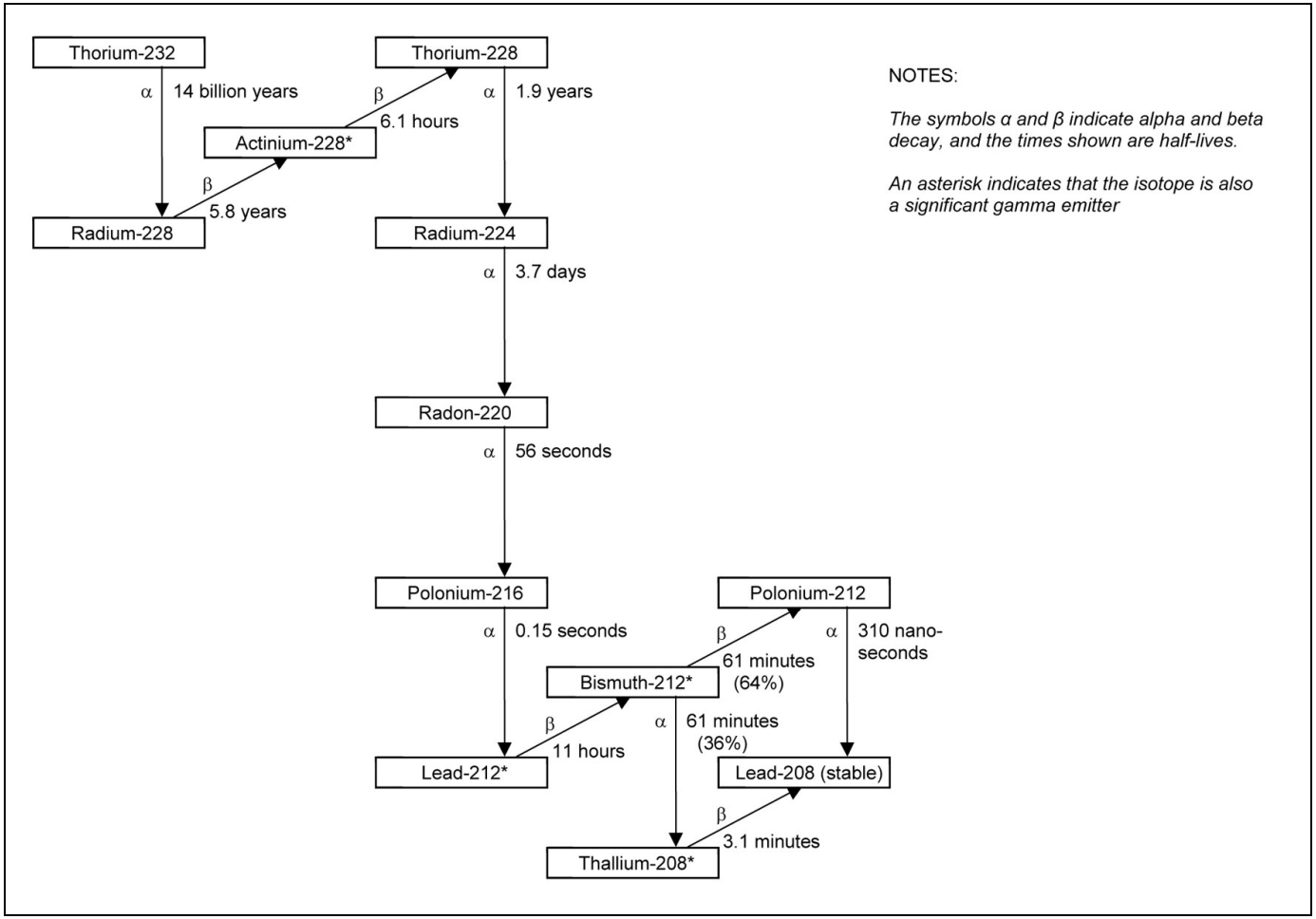


Figure 2. Thorium-232 (Th-232) Decay Series (modified from ANL 2005).

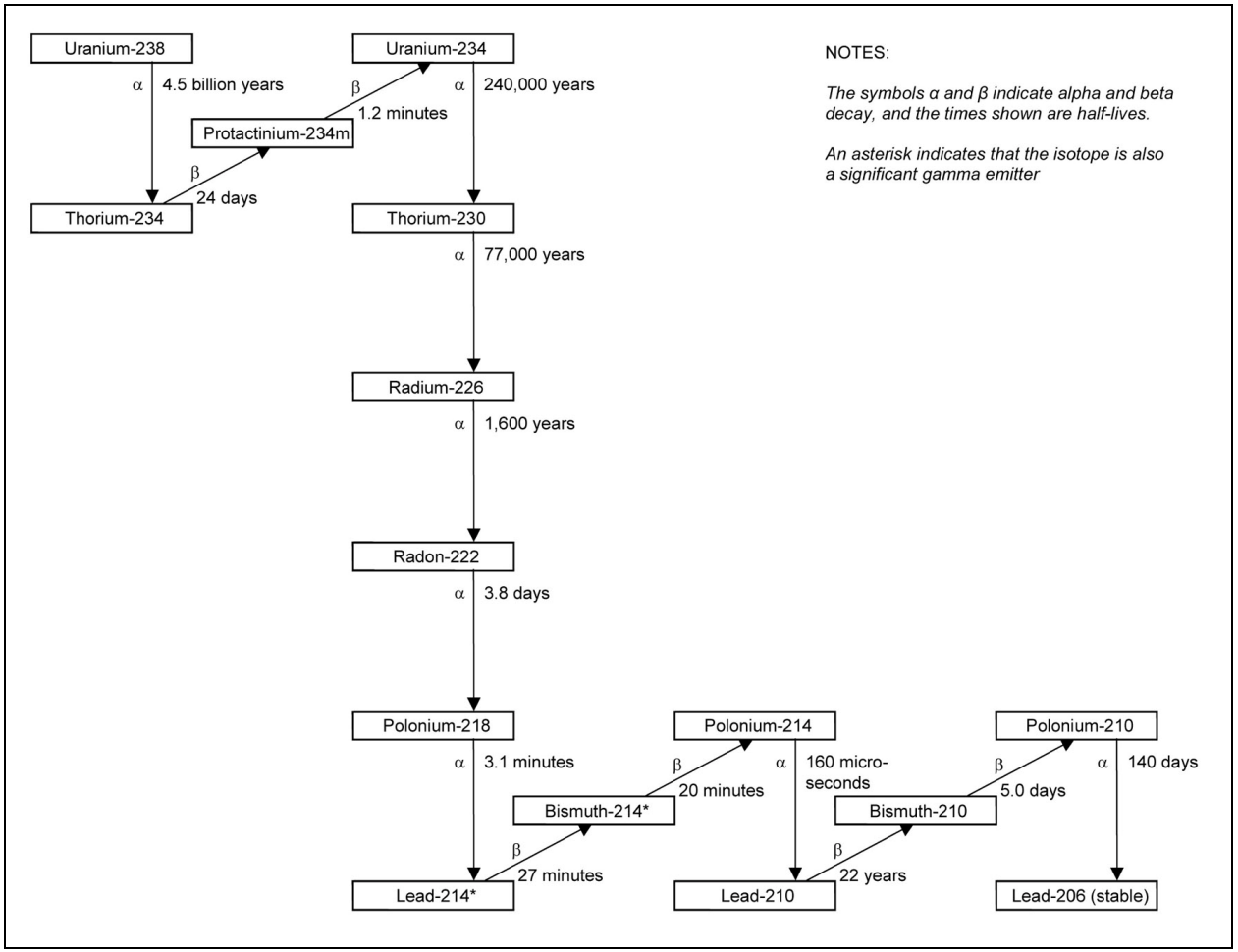


Figure 3. Uranium-238 (U-238) Decay Series (modified from ANL 2005.

APPENDIX A

LABORATORY DATA PACKAGES

(Appendix on Compact Disk)

APPENDIX B

DATA VALIDATION REPORTS

(Appendix on Compact Disk)

APPENDIX C

FIELD SAMPLING FORMS

(Appendix on Compact Disk)