

March 10, 2017

Mr. Jacob Evans  
Noble Energy, Inc.  
1600 Broadway  
Denver, CO 80202

Subject:       **First Quarter 2017 Site Monitoring and Remediation Report**  
                  Plugged and Abandoned FRI 2-18 Tank Battery and Well Head Location  
                  API # 05-001-08259  
                  Remediation Project # 8440  
                  Adams County, Colorado

Dear Mr. Evans:

Please find the enclosed copy of the above-referenced First Quarter 2017 Site Monitoring and Remediation Report for the Plugged and Abandoned FRI 2-18 Tank Battery and Well Head Location in Adams County, Colorado. The enclosed report describes groundwater sampling and remediation system operation and maintenance (O&M) activities conducted during the first quarter 2017, in accordance with the previously submitted Form 27 (COGCC document # 2148980). Please contact me at (720) 431-1190 if you require additional information.

Tasman appreciates the opportunity to provide this service.

Sincerely,  
Tasman Geosciences, Inc.



Brandon Bruns  
Project Manager

Enclosure:     First Quarter 2017 Site Monitoring & Remediation Report

# PLUGGED & ABANDONED FRI 2-18 TANK BATTERY & WELLHEAD LOCATION

## FIRST QUARTER 2017 SITE MONITORING AND REMEDIATION REPORT

March 10, 2017



### PREPARED ON BEHALF OF

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## **1.0 INTRODUCTION**

This Site Monitoring and Remediation Report (Report) presents the results of groundwater sampling and light non-aqueous phase liquid (LNAPL) recovery activities performed at the Plugged and Abandoned FRI 2-18 Tank Battery and Well Head Location (Site). Field activities detailed in this report were performed on behalf of Noble Energy, Inc. (Noble), pursuant to Colorado Oil and Gas Conservation Commission (COGCC) guidance.

Field activities described in this Report were conducted by Tasman Geosciences, Inc. (Tasman) to further evaluate groundwater flow characteristics and groundwater quality at the Site. The data collected were used to develop the analytical summary tables, groundwater and LNAPL elevation maps, and chemical concentration maps presented herein.

### **1.1 Site Background**

The Site is located in Section 18, Township 1 South, Range 67 West, of the 6<sup>th</sup> Principal Meridian, on 144<sup>th</sup> Avenue, in the town of Thornton in Adams County, Colorado (see Figure 1). The Site surrounds the former FRI 2-18 wellhead and tank battery and is approximately 950 feet (ft.) north of 144<sup>th</sup> Avenue and 1,200 ft. west of Holly Street. The approximate coordinates of the Site are 39.960732°, -104.926776°.

On November 4, 2013 Noble was informed of the suspected release. Subsequently, Noble filed a Form 19 Spill/Release Report (Form 19) with the COGCC for the incident. On November 13, 2013 the Form 19 was received by the COGCC and the incident was designated Spill/Release Tracking Number 2147193.

Based on procedures established via the Form 19 process, Noble conducted subsurface Site assessment activities from October 2013 through April 2014 in order to delineate the extent of petroleum hydrocarbon impacts at the Site. A total of 49 monitoring wells were installed at the Site throughout the assessment phase. The locations of these monitoring wells are presented in Figure 2. Laboratory analytical data for soil samples collected during the monitoring well installation are summarized in Table 1 and total petroleum hydrocarbon (TPH) concentrations are illustrated on Figure 3. In addition to groundwater and soil assessment activities, Noble initiated interim corrective measures to reduce the presence of LNAPL in the central region of the Site.

On May 9, 2014 Noble submitted a Form 27 Site Assessment Report (Document Number 2148980) for COGCC review. Subsequently, COGCC approved the Form 27, closed out Spill/Release Tracking Number 2147193, and issued Remediation Number 8440 for continued corrective action, monitoring, and reporting at the Site.

### **1.2 Site Topography, Geology, and Hydrogeology**

The Site is positioned at approximately 5,246 ft. above mean sea level (amsl). Surface topography slopes gradually to the north across the Site with minor depressions evident across the ground

surface. Regional topography slopes to the north and northwest from a high point approximately 2,000 ft. south of 144<sup>th</sup> Avenue. Surface drainage features are evident to the north and east of the Site and follow a general northeast – southwest trend.

Site assessment borings indicate that the subsurface geology immediately beneath the Site is composed of unconsolidated alluvial sediments and evaporite deposits overlying consolidated sedimentary rock. The upper unconsolidated unit is observed from ground surface to approximately 35 ft. below ground surface (bgs) and consists of interbedded clays (CL), fine, medium, and coarse grain sands (SC, SP, SW), and zones of accreted caliche. The alluvial and precipitated sediments are underlain by interbedded sandstone and claystone encountered at approximately 35 ft. bgs. The depth of the competent bedrock surface observed in the majority of the borings varies from approximately 25 to 40 ft. bgs across the Site and is generally characterized by a poorly cemented fractured sandstone layer approximately 10 to 15 ft. thick underlain by claystone. Claystone dominates the consolidated interval in the southeastern and eastern portions of the Site, while sandstone is the predominant consolidated lithology noted across the central and western regions. Thickening of the sandstone layer appears to follow a north - south trend across the area of concern. Two wells, SB06 and SB17, did not encounter bedrock. Boring logs for monitoring wells SB01 through SB42 are included in Attachments A and B of the Form 27 Site Assessment Report (Document Number 2148980) submitted to the COGCC on May 9, 2014.

The groundwater table is generally encountered between 40 and 50 ft. bgs within the consolidated sedimentary rock units. Groundwater flow appears preferential to the poorly cemented sandstone layer and appears to be preferentially bound to the central and western portions of the Site. This preferential flow and accumulation is further evidenced by dry and slow re-charging wells in the southeast and eastern portions of the Site (predominated by the lower permeability claystone lithology). Well yields across the majority of the Site are relatively low, consistent with a consolidated bedrock aquifer; however, higher flow rates have been observed, suggesting secondary flow pathways and geologic structures may be contributing factors in groundwater transport.

## **2.0 GROUNDWATER SAMPLING ACTIVITIES**

This section summarizes the groundwater sampling activities that were performed and the protocols followed during groundwater monitoring activities conducted by Tasman during the first quarter 2017. Sampling activities included measurement of groundwater/LNAPL depths, measurement of groundwater quality parameters, and collection of groundwater samples from Site monitoring wells.

### **2.1 Groundwater Sample Locations**

Site-wide groundwater monitoring and associated events were conducted between February 13 and 16, 2007. The following sections discuss the field and laboratory analytical procedures followed during this event.

- On February 10, 2017, the Site remediation system (System) was shut off to allow Site subsurface conditions to equilibrate prior to conducting the groundwater sampling event.
- On February 10, 2017, all product recovery pumps were removed from recovery wells to allow for LNAPL gauging to be completed in the product recovery wells during the groundwater sampling event.
- On February 13, 2017, a Site-wide fluid level gauging event was conducted. Groundwater and LNAPL measurements were collected from all Site monitoring and product recovery wells.
- On February 13, 2017, HydraSleeve groundwater sampling devices were deployed in all Site monitoring wells exhibiting the required conditions described in Section 2.3. Wells receiving HydraSleeves included:
 

|         |         |        |         |
|---------|---------|--------|---------|
| • SB03  | • SB04  | • SB06 | • SB07  |
| • SB08  | • SB10  | • SB11 | • SB12  |
| • SB13  | • SB14  | • SB15 | • SB17  |
| • SB18  | • SB19  | • SB20 | • SB22R |
| • SB24R | • SB25R | • SB26 | • SB27R |
| • SB28R | • SB29  | • SB33 | • SB34  |
| • SB35  | • SB36  | • SB38 | • SB39  |
| • SB40  | • SB41  | • SB42 |         |
- On February 16, 2017, the HydraSleeves were retrieved from the monitoring wells listed above and groundwater samples were collected and submitted for laboratory analysis. At the same time, field groundwater quality parameters were gauged in-situ at the well locations listed above.
- Throughout the Site assessment, monitoring wells SB16, SB22, SB24, SB25, SB27, and SB28 have failed to produce sufficient water for well development or sampling activities. Review of the boring logs shows that construction of these wells was either too shallow or completed in an area of low permeability. These wells were abandoned in June 2015 following review of all previous Site field and laboratory analytical data.
- Monitoring well SB20R was abandoned in June 2015, following review of all previous Site field and laboratory analytical data. In prior sampling events, SB20R was not sampled due to the immediate proximity of SB20.
- Monitoring wells SB01 and SB02 were consistently found to contain groundwater levels above the perforated interval of the well casing. These wells were abandoned in June 2015, following review all previous Site field and laboratory analytical data.

## 2.2 Groundwater and LNAPL Gauging

Groundwater levels are measured (i.e. gauged) in order to evaluate hydraulic characteristics and to provide information regarding seasonal and annual fluctuations in groundwater elevations at the Site. Groundwater and LNAPL levels were measured on the north side of the well casing to the nearest 0.01-foot using a float driven oil-water interface probe (IP). Groundwater and LNAPL level data were subsequently converted to elevations (ft. amsl) by subtracting the measured depth from the well's top-of-casing (TOC) elevation survey datum. Groundwater elevations for wells exhibiting detectable LNAPL levels were corrected for the effects of LNAPL depression of the potentiometric surface. These groundwater elevations were corrected using the following formula:

$$\begin{aligned} & (\text{Top of Casing Elevation} - \text{Measured Depth to Water}) \\ & + \frac{(\text{LNAPL Thickness in Well} \times \text{LNAPL Relative Density})}{1} \\ & = \text{Corrected Groundwater Elevation} \end{aligned}$$

An LNAPL relative density of 0.75 was used, based on petrophysical quantitation conducted during the initial Site assessment.

Groundwater quality measurements were collected in the field following groundwater sample collection using a YSI 556 multi-parameter instrument with a 20 meter tethered probe to allow for in-situ measurements. Field measurements for temperature, electrical conductivity (EC), pH, oxidation reduction potential (ORP), and dissolved oxygen (DO) were measured in-situ at monitoring wells with sufficient groundwater column. These measurements were not collected from monitoring locations exhibiting detectable levels of LNAPL.

## 2.3 Groundwater Sample Collection

Prior to collecting groundwater laboratory analytical samples, groundwater and LNAPL levels were measured at each of the Site monitoring wells, as previously described. The presence of LNAPL was evaluated and wells exhibiting detectable levels of LNAPL were removed from the laboratory analytical sample collection list.

Groundwater monitoring wells were sampled using individual, disposable, HydraSleeve sample collection devices. Evaluation of the water column height within the well was performed prior to sampler placement in order to maintain sample consistency from well to well and between subsequent sample collection events. HydraSleeves were deployed in a manner limiting sample collection to the top four ft. of the water column by restricting the length of the HydraSleeve retrieval tether to no more than four ft. longer than the measured depth to water:

- Samples collected from monitoring wells with a water column height greater than or equal to seven ft. were sampled using a standard 2-inch HydraSleeve (2.5 inches [W] x 30 inches [L]) with five ounce (oz.) (2.5 inches [L]) bottom weights attached via a 2-inch stainless steel clip.

- Samples collected from monitoring wells with a water column height less than seven ft. and greater than two ft. were sampled using a standard 2-inch HydraSleeve (2.5 inches [W] x 30 inches [L]) with five oz. (2.5 inches [L]) bottom weights attached via a 2-inch stainless steel clip. Due to the reduced water column height, HydraSleeves were deployed with a 16 oz. top weight, intended to keep the valve inlet positioned within four ft. of the phreatic surface.
- Monitoring wells with a water column height less than 2 ft. were not sampled as per the Site standard operating procedures. Groundwater present within the lower portion of the screened interval is more susceptible to a “skin function” across the bottom of the drilling zone. The aquifer volume is consistently insufficient to effectively develop the wells, seat the well gravel, and remove the skin function to the same level as the other well screens. This causes the water quality to be more easily affected by solids in the water sample and inconsistent with wells that contain greater water column thickness.

Retrieval of the HydraSleeves and collection of the laboratory samples was performed no earlier than 48 hours and no later than 96 hours subsequent to HydraSleeve deployment. Clean sample containers (40-milliliter [ml] volatile organic analysis [VOA] vials) supplied by the analytical laboratory were used to contain liquid for subsequent analyses. VOA vials were overfilled and capped to reduce the potential for any headspace and to prevent the loss of volatile analytes. Sample bottles were then labeled with corresponding date, time and well identification, and placed in an ice-filled cooler and maintained at approximately 4 degrees Celsius (°C) for transportation. The groundwater samples were packed and delivered for analysis under chain-of-custody procedures to the contract laboratory.

Groundwater samples were submitted to Summit Scientific Environmental Laboratory in Golden, Colorado for analysis of benzene, toluene, ethylbenzene, and total xylenes (collectively referred to as BTEX) using United States Environmental Protection Agency (USEPA) Method 8260B.

Groundwater sample quality assurance/quality control (QA/QC) procedures were performed via a two-step process. Laboratory QA/QC was performed in accordance with the laboratory’s standard internal QA/QC program. Following receipt of laboratory analytical data reports, Tasman performed an internal QA/QC evaluation.

### **3.0 GROUNDWATER SAMPLING RESULTS**

This section presents the results of the first quarter 2017 groundwater sampling activities described above.

#### **3.1 Fluid Level Measurements**

Fluid elevation data generated from the Site-wide groundwater and LNAPL gauging event conducted on February 13, 2017 was processed and converted to piezometric elevation in ft. amsl. The data collected from this event were then used for Site hydrogeologic evaluation



purposes. This evaluation was particularly focused on delineation of the LNAPL plume present across the central region of the Site as well as the flow characteristics of groundwater and dissolved phase contaminant migration. Product recovery wells were also gauged during the first quarter 2017 event, following removal of the LNAPL recovery pumps. Groundwater elevations and LNAPL thicknesses are presented in Table 2 and LNAPL thicknesses are illustrated in Figure 4. Figure 4 also illustrates LNAPL thickness across the Site for the previous two quarters.

LNAPL was detected on February 13, 2017 in seven Site monitoring wells (SB05, SB09, SB16R, SB21, SB30, SB31, and SB37). Product thickness in these wells ranged from 0.45 ft. at SB37 to 8.53 ft. at SB31. LNAPL was also detected in 18 product recovery wells (PR01, PR02, PR04, PR05, PR07, PR08, PR09, PR11, PR12, PR14 through PR19, PR24, PR25, and PR26), at thicknesses ranging from 0.05 feet in PR24 to 3.73 feet in PR18. LNAPL thickness measured during the first quarter 2017 sampling event across the Site is illustrated at the bottom of Figure 4.

During the February 13, 2017 gauging event, groundwater elevations ranged from a low of 5,199.17 ft. amsl in monitoring well SB34 to a high of 5,213.61 ft. amsl in SB40. Hydraulic analysis of the groundwater elevation data generated for the Site was used to create a groundwater potentiometric surface contour map. These contours show hydraulic gradient components flowing to the south-southwest in the southern and central portions of the Site, to the southwest in the northern portion of the Site, and to the west-southwest in the eastern portion of the Site. The average hydraulic gradient across the Site was calculated at approximately 0.02 feet per foot between SB40 and SB34. Groundwater potentiometric surface contours are illustrated in Figure 5. Monitoring wells marked as abandoned on Figure 2 as well as those containing less than 0.5 ft. of groundwater column were not used for contouring purposes.

### **3.2 Groundwater Quality Parameter Measurements**

Field groundwater quality parameters (temperature, EC, pH, ORP, and DO) were measured in-situ at the Site on February 16, 2017 following groundwater sample collection. A summary of field groundwater quality parameter measurements collected by Tasman is presented below and in Table 3:

- Groundwater temperature measurements at the Site ranged from 12.00 degrees Celsius (°C) at SB39 to 13.00 °C at SB15, with an average temperature of 12.41 °C.
- Groundwater EC measurements at the Site ranged from 0.816 millisiemens per centimeter (mS/cm) at SB25R to 9.152 mS/cm at SB10, with an average EC of 3.911 mS/cm.
- Groundwater pH measurements at the Site ranged from 6.61 at SB10 to 7.65 at SB25R, with an average pH of 7.18.
- Groundwater ORP measurements at the Site ranged from -175.9 millivolts (mV) at SB08 to 421.4 mV at SB41, with an average ORP of 51.3 mV.

- Groundwater DO measurements at the Site ranged from 0.11 milligrams per liter (mg/L) at SB25R to 1.79 mg/L at SB39, with an average DO of 0.53 mg/L.

### **3.3 Laboratory Analytical Results**

Groundwater laboratory analytical data is presented in Table 4. The laboratory analytical report is provided in Attachment A. A summary of the groundwater laboratory analytical data collected by Tasman is presented below:

- Benzene was detected above the COGCC Table 910-1 standard of 5 micrograms per liter (µg/L) in five (5) of the 31 Site monitoring wells sampled. Benzene concentrations associated with these five monitoring wells ranged from 51 µg/L in SB13 to 4,800 µg/L in SB10. Benzene analytical results and isoconcentration contours indicating the area where benzene concentrations exceed the COGCC regulatory standard are illustrated in Figure 6.
- Toluene was detected above the COGCC Table 910-1 standard of 560 µg/L in two of the 31 Site monitoring wells sampled. Toluene concentrations associated with these two wells ranged from 2,600 µg/L in SB10 to 5,000 µg/L in SB08.
- Ethylbenzene was detected above the COGCC Table 910-1 standard of 700 µg/L in three of the 31 Site monitoring wells sampled. Ethylbenzene concentrations associated with these three wells ranged from 750 µg/L in SB08 to 1,100 µg/L in SB04.
- Total xylenes were detected above the COGCC Table 910-1 standard of 1,400 µg/L in three of the 31 Site monitoring wells sampled. The total xylenes concentration associated with these three wells ranged from 5,800 µg/L in SB07 to 13,000 µg/L in SB08.

## **4.0 INTERIM CORRECTIVE ACTION**

This section summarizes remediation activities conducted at the Site from November, 2013 to May, 2015. Concurrently, a full-scale remediation system was designed and constructed. Interim corrective actions were suspended between June 2015 and February 24, 2016 due to construction activities and final completion of the full-scale system.

### **4.1 LNAPL Recovery**

Four Magnum Spill Buster automated LNAPL pumping systems were installed at the Site between November, 2013 and May, 2015. The pumps were specifically designed to remove LNAPL from the water table and may be deployed in 2" or larger diameter wells. The unit's "auto-seeking sensor" allows the pump intake to automatically follow the elevation of the oil/water interface as it fluctuates in the well.

Due to the lack of electrical service at the Site, Spill Buster pumps were operated through the use of solar power. Recovered LNAPL was pumped into 250 gallon polyethylene tanks dedicated to

each pumping unit. Liquid levels within the tanks were monitored independently and automatically cease the system operation before an overflow level is reached. The tanks were all secondarily contained within high-density polyethylene containment units. Extraction and disposal of the recovered LNAPL occurred on an as-needed basis, determined by field personnel. Operation and maintenance of the LNAPL recovery operation occurred on a semi-weekly schedule.

Spill Buster systems were removed from the Site in May, 2015. A total of approximately 1,960 gallons of LNAPL were recovered between November, 2013 and May, 2015.

## **5.0 REMEDIATION SYSTEM OPERATION**

This section summarizes data and system parameters collected from the remediation system that is currently in operation at the Site.

### **5.1 LNAPL Recovery**

Construction activities were completed on the Site remediation system (System) on February 22, 2016. Startup and shakedown procedures were completed on the System on February 23, 2016 and all components of the system were tested, alarm conditions were activated and system interlocks were checked. System motors and moving components were checked for correct and safe operation and remote alarm notification was verified. The LNAPL recovery component of the system was put into operation on February 24, 2016. From February 24 through February 26, 2016, the System was operated during the day to evaluate operations and shutdown at 5 pm each of the three days. The system was put into 24-hour operation on Monday, February 29, 2016.

From the fourth quarter 2016 thru the first quarter 2017 groundwater sampling events, product recovery pumps were operated in twelve (12) product recovery wells (PR03, PR05, PR06, PR07, PR10, PR13, PR15, PR16, PR18, PR19, PR25, and PR26). From the fourth quarter 2016 to the first quarter 2017 groundwater sampling events, the System removed on average approximately 0.82 barrels per day of LNAPL from the treatment area (Figure 7). As of February 17, 2017, approximately 184 barrels of groundwater and LNAPL have been recovered by the System (Figure 8). This is an increase of an additional 65 barrels from the fourth quarter 2016 (November 2016). During the first quarter 2017, the remediation system operated with an uptime of approximately 98%. System uptime does not take into account the System being down as part of the fourth quarter groundwater sampling event. Starting with the fourth quarter 2016, Tasman began removing and cleaning the product recovery pumps as part of the groundwater sampling events. As indicated on Figures 7 and 8, this cleaning process has increased the average daily LNAPL recovery rates and significantly increased the overall volume of LNAPL removed.

After evaluating LNAPL thickness data collected during the first quarter 2017 sampling event, product recovery pumps were installed in recovery wells PR02, PR04, PR07, PR06, PR07, PR08, PR09, PR11, PR12, and PR14 through PR19. These pumps will be operated in these wells until the second quarter 2017 sampling event.

## **5.2 System Performance**

Since System startup in February 2016, the main operational goal of the System has been to remove as much LNAPL as possible and attain a sustained product thickness that meets the minimum thickness achievable by the product recovery pumps (approximately two inches). As illustrated on Figure 4, the System has been successful at reducing the LNAPL thickness across the Site. As illustrated on Figure 4, the average LNAPL thickness in certain portions of the Site has been reduced by as much as 7.5 ft., as is evident in product recovery well PR25. Figure 4 also illustrates how the less than 0.1 foot LNAPL thickness isocontour is increasing across the Site since the System was started. Tasman will continue to evaluate LNAPL thickness across the Site and will move pumps into varying product recovery wells to continue to maintain and decrease the LNAPL thickness.

## **6.0 UPCOMING SITE ACTIVITIES**

Anticipated upcoming Site activities include the following:

- Complete the second quarter 2017 groundwater sampling event in May;
- Prepare the SVE equipment for possible operation in the second quarter 2017; and
- Repair Site groundwater monitoring wells that have casing and monument damage.

## **TABLES**

**TABLE 1**  
**SOIL ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Soil Sample ID | Date     | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | TPH-GRO (mg/kg) | TPH-DRO (mg/kg) | Naphthalene (mg/kg) |
|----------------|----------|-----------------|-----------------|----------------------|-----------------------|-----------------|-----------------|---------------------|
| COGCC Standard |          | 0.17            | 85              | 100                  | 175                   | 500             |                 | 23                  |
| AS01D-35'      | 04/22/14 | <0.0050         | <0.025          | <0.0050              | 0.027                 | <2.5            | 26              | <0.025              |
| OBS01-35'      | 04/21/14 | <0.0050         | <0.025          | <0.0050              | <0.015                | <2.5            | 15              | <0.025              |
| OBS02-34'      | 04/24/14 | <0.025          | <0.12           | <0.025               | 0.1                   | <12             | 5.4             | <0.12               |
| OBS03-38'      | 04/25/14 | <0.0050         | <0.025          | 0.0082               | 0.042                 | 17              | <4.0            | <0.025              |
| OBS04-38'      | 04/22/14 | 0.022           | <0.025          | 0.0077               | 0.041                 | <2.5            | 12              | <0.025              |
| OBS05-41'      | 04/10/14 | <0.25           | <1.2            | 0.5                  | 10                    | 220             | 460             | <1.2                |
| OBS06-42'      | 04/11/14 | <0.25           | <1.2            | 0.7                  | 15                    | 290             | 370             | <1.2                |
| OBS07-43'      | 04/16/14 | <0.0050         | <0.025          | <0.0050              | 0.018                 | <2.5            | <4.0            | <0.025              |
| OBS08-43'      | 04/18/14 | 0.1             | 0.74            | 0.087                | 1.6                   | 24              | 9.9             | <0.12               |
| OBS09-42'      | 04/16/14 | <0.025          | <0.12           | 0.03                 | 0.69                  | 42              | 34              | 0.17                |
| OBS10-39'      | 04/21/14 | <0.050          | <0.25           | 0.11                 | 2.7                   | 82              | 42              | <0.25               |
| SB16R-45'      | 01/29/14 | 0.515           | 6.69            | 0.587                | 8.87                  | 110             | <50.0           | <0.200              |
| SB20R-49'      | 02/07/14 | <0.0020         | <0.0020         | <0.0020              | <0.0020               | <0.200          | <50.0           | <0.0080             |
| SB22R-48'      | 02/03/14 | <0.0020         | 0.0234          | <0.0020              | 0.113                 | 1.30            | <50.0           | <0.0040             |
| SB24R-54'      | 02/07/14 | <0.0020         | <0.0020         | <0.0020              | <0.0020               | <0.200          | <50.0           | <0.0080             |
| SB25R-53'      | 01/30/14 | <0.0020         | <0.0020         | <0.0020              | <0.0020               | 0.304           | <50.0           | <0.0040             |
| SB27R-53'      | 01/30/14 | <0.0020         | <0.0020         | <0.0020              | <0.0020               | <0.200          | <50.0           | <0.0040             |
| SB28R-53'      | 02/07/14 | <0.0020         | <0.0020         | <0.0020              | <0.0020               | <0.200          | <50.0           | <0.0080             |
| SB29-43'       | 02/06/14 | <0.0010         | <0.0010         | <0.0010              | <0.0010               | <0.100          | <50.0           | <0.0040             |
| SB30-43'       | 01/30/14 | 1.00            | 29.9            | <0.200               | 111                   | 1,110           | 400             | 2.30                |
| SB31-36'       | 01/30/14 | 0.0028          | 0.0250          | <0.0020              | 0.0743                | 2.32            | <50.0           | 0.0142              |
| SB32-47'       | 02/05/14 | 1.20            | 35.6            | 6.48                 | 88.6                  | 1,040           | 819             | 2.03                |
| SB33-51'       | 02/10/14 | <0.0010         | <0.0010         | <0.0010              | <0.0010               | <0.100          | <50.0           | <0.0040             |
| SB34-38'       | 02/08/14 | <0.0010         | <0.0010         | <0.0010              | <0.0010               | <0.100          | <50.0           | <0.0040             |
| SB35-50'       | 03/06/14 | <0.0010         | <0.0010         | <0.0010              | <0.0010               | <0.100          | <50.0           | <0.0040             |
| SB36-36'       | 03/19/14 | 0.0041          | <0.0020         | 0.0219               | 0.565                 | 10.4            | <50.0           | 0.0570              |
| SB37-40'       | 03/20/14 | <0.100          | 2.00            | 0.496                | 10.1                  | 524             | 203             | <0.400              |
| SB38-45'       | 03/21/14 | 0.0078          | <0.0010         | 0.0018               | <0.0010               | <0.100          | <50.0           | <0.0040             |
| SB39-52'       | 04/07/14 | <0.0050         | <0.025          | <0.0050              | <0.015                | <2.5            | <4.0            | <0.025              |
| SB40-47'       | 04/08/14 | <0.0050         | <0.025          | <0.0050              | <0.015                | <2.5            | <4.0            | <0.025              |
| SB41-41'       | 04/09/14 | <0.0050         | <0.025          | <0.0050              | <0.015                | <2.5            | <4.0            | <0.025              |
| SB42-48'       | 04/09/14 | <0.0050         | <0.025          | <0.0050              | <0.015                | <2.5            | <4.0            | <0.025              |
| SVE01-34'      | 04/24/14 | <0.025          | <0.12           | <0.025               | 0.16                  | 32              | 16              | <0.12               |

COGCC = Colorado Oil and Gas Conservation Commission

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

mg/kg = Milligrams per kilogram

< = Analytical result is less than the indicated laboratory reporting limit

Soil standards referenced from COGCC Table 910-1

**Highlighted results exceed the COGCC Table 910-1 standard**

This table presents data collected by Tasman Geosciences. Historical data is presented in Attachment A of the Form 27 Site Assessment Report (COGCC Document #2148980)

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| PR01               | 04/21/14 | 45.55          | 42.20          | 3.35                  | 50.34         | 5244.87                            | 5201.83                           |
| PR01               | 05/16/14 | 43.07          | 42.74          | 0.33                  | 50.34         | 5244.87                            | 5202.04                           |
| PR01               | 08/27/14 | 42.92          | 42.20          | 0.72                  | 50.34         | 5244.87                            | 5202.49                           |
| PR01               | 11/18/14 | 42.50          | 42.32          | 0.18                  | 50.34         | 5244.87                            | 5202.50                           |
| PR01               | 02/11/15 | 43.57          | 42.54          | 1.03                  | 50.34         | 5244.87                            | 5202.07                           |
| PR01               | 05/18/15 | 43.20          | 42.39          | 0.81                  | 50.34         | 5244.87                            | 5202.27                           |
| PR01               | 08/25/15 | 39.15          | 37.57          | 1.58                  | 49.20         | 5244.87                            | 5206.91                           |
| PR01               | 11/09/15 | NM             | NM             | NM                    | NM            | 5244.87                            | NM                                |
| PR01               | 02/19/16 | NR             | NR             | 1.86                  | NM            | 5244.87                            | NM                                |
| PR01               | 05/20/16 | NR             | ND             | 0.00                  | NM            | 5244.87                            | NM                                |
| PR01               | 08/12/16 | 36.28          | 36.19          | 0.09                  | 49.40         | 5244.87                            | 5208.66                           |
| PR01               | 11/18/16 | 36.68          | 36.40          | 0.28                  | NM            | 5244.87                            | 5208.40                           |
| PR01               | 02/13/17 | 36.40          | 36.13          | 0.27                  | NM            | 5244.87                            | 5208.67                           |
| PR02               | 04/21/14 | 45.25          | 41.40          | 3.85                  | 51.10         | 5244.36                            | 5201.99                           |
| PR02               | 05/16/14 | 43.48          | 43.42          | 0.06                  | 51.10         | 5244.36                            | 5200.92                           |
| PR02               | 08/27/14 | 43.63          | 40.71          | 2.92                  | 51.10         | 5244.36                            | 5202.92                           |
| PR02               | 11/18/14 | 44.26          | 40.39          | 3.87                  | 51.10         | 5244.36                            | 5203.00                           |
| PR02               | 02/11/15 | 43.39          | 41.78          | 1.61                  | 51.10         | 5244.36                            | 5202.17                           |
| PR02               | 05/18/15 | 43.08          | 41.45          | 1.63                  | 51.10         | 5245.36                            | 5203.50                           |
| PR02               | 08/25/15 | 39.00          | 37.33          | 1.67                  | 49.69         | 5245.36                            | 5207.61                           |
| PR02               | 11/09/15 | NM             | NM             | NM                    | NM            | 5245.36                            | NM                                |
| PR02               | 02/19/16 | NR             | NR             | 1.76                  | NM            | 5245.36                            | NM                                |
| PR02               | 05/20/16 | NR             | ND             | 0.00                  | NM            | 5245.36                            | NM                                |
| PR02               | 08/12/16 | 36.41          | 36.30          | 0.11                  | 46.98         | 5245.36                            | 5209.03                           |
| PR02               | 11/18/16 | 36.36          | 36.35          | 0.01                  | NM            | 5245.36                            | 5209.01                           |
| PR02               | 02/13/17 | 36.65          | 36.00          | 0.65                  | NM            | 5245.36                            | 5209.20                           |
| PR03               | 11/18/14 | 47.86          | ND             | 0.00                  | 62.33         | Not Surveyed                       |                                   |
| PR03               | 02/11/15 | 48.30          | ND             | 0.00                  | 62.33         | Not Surveyed                       |                                   |
| PR03               | 05/18/15 | 48.19          | ND             | 0.00                  | 62.33         | Not Surveyed                       |                                   |
| PR03               | 08/25/15 | 44.38          | ND             | 0.00                  | 59.35         | Not Surveyed                       |                                   |
| PR03               | 11/20/15 | 43.82          | ND             | 0.00                  | 59.35         | Not Surveyed                       |                                   |
| PR03               | 02/19/16 | NR             | ND             | 0.00                  | NM            | Not Surveyed                       |                                   |
| PR03               | 05/20/16 | NR             | ND             | 0.00                  | NM            | Not Surveyed                       |                                   |
| PR03               | 08/12/16 | 44.18          | 43.82          | 0.36                  | 59.38         | Not Surveyed                       |                                   |
| PR03               | 11/18/16 | 42.02          | 41.52          | 0.50                  | NM            | Not Surveyed                       |                                   |
| PR03               | 02/13/17 | 41.94          | ND             | 0.00                  | NM            | Not Surveyed                       |                                   |
| PR04               | 11/18/14 | 47.86          | ND             | 0.00                  | 62.84         | Not Surveyed                       |                                   |
| PR04               | 02/11/15 | 48.18          | ND             | 0.00                  | 62.84         | Not Surveyed                       |                                   |
| PR04               | 05/18/15 | 48.08          | ND             | 0.00                  | 62.84         | Not Surveyed                       |                                   |
| PR04               | 08/25/15 | 43.85          | ND             | 0.00                  | 59.28         | Not Surveyed                       |                                   |
| PR04               | 11/09/15 | NM             | NM             | NM                    | NM            | Not Surveyed                       |                                   |
| PR04               | 02/19/16 | NR             | ND             | 0.00                  | NM            | Not Surveyed                       |                                   |
| PR04               | 05/20/16 | NR             | ND             | 0.00                  | NM            | Not Surveyed                       |                                   |
| PR04               | 08/12/16 | 43.81          | 43.33          | 0.48                  | 59.37         | Not Surveyed                       |                                   |
| PR04               | 11/18/16 | 40.98          | 40.95          | 0.03                  | NM            | Not Surveyed                       |                                   |
| PR04               | 02/13/17 | 41.62          | 41.42          | 0.20                  | NM            | Not Surveyed                       |                                   |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| PR05               | 11/18/14 | 47.04          | ND             | 0.00                  | 62.64         |                                    | Not Surveyed                      |
| PR05               | 02/11/15 | 47.54          | ND             | 0.00                  | 62.64         |                                    | Not Surveyed                      |
| PR05               | 05/18/15 | 47.50          | 47.33          | 0.17                  | 62.64         |                                    | Not Surveyed                      |
| PR05               | 08/25/15 | 43.37          | 43.12          | 0.25                  | 59.67         |                                    | Not Surveyed                      |
| PR05               | 11/20/15 | 43.40          | 43.26          | 0.14                  | 59.67         |                                    | Not Surveyed                      |
| PR05               | 02/19/16 | NR             | NR             | 0.53                  | NM            |                                    | Not Surveyed                      |
| PR05               | 05/20/16 | NR             | NR             | 0.005                 | NM            |                                    | Not Surveyed                      |
| PR05               | 08/12/16 | 40.61          | 40.60          | 0.01                  | 57.44         |                                    | Not Surveyed                      |
| PR05               | 11/18/16 | 40.77          | 40.18          | 0.59                  | NM            |                                    | Not Surveyed                      |
| PR05               | 02/13/17 | 40.98          | 40.79          | 0.19                  | NM            |                                    | Not Surveyed                      |
| PR06               | 11/18/14 | 46.50          | ND             | 0.00                  | 62.91         |                                    | Not Surveyed                      |
| PR06               | 02/11/15 | 47.06          | ND             | 0.00                  | 62.91         |                                    | Not Surveyed                      |
| PR06               | 05/18/15 | 46.90          | 46.86          | 0.04                  | 62.91         |                                    | Not Surveyed                      |
| PR06               | 08/25/15 | 42.37          | 42.32          | 0.05                  | 59.73         |                                    | Not Surveyed                      |
| PR06               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR06               | 02/19/16 | NR             | NR             | 0.21                  | NM            |                                    | Not Surveyed                      |
| PR06               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR06               | 08/12/16 | 40.06          | 39.81          | 0.25                  | 59.49         |                                    | Not Surveyed                      |
| PR06               | 11/18/16 | 40.21          | 39.55          | 0.66                  | NM            |                                    | Not Surveyed                      |
| PR06               | 02/13/17 | 40.04          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR07               | 11/18/14 | 46.89          | 46.03          | 0.86                  | 62.72         |                                    | Not Surveyed                      |
| PR07               | 02/11/15 | 47.40          | 46.61          | 0.79                  | 62.72         |                                    | Not Surveyed                      |
| PR07               | 05/18/15 | 47.85          | 46.17          | 1.68                  | 62.72         |                                    | Not Surveyed                      |
| PR07               | 08/25/15 | 43.27          | 40.98          | 2.29                  | 59.45         |                                    | Not Surveyed                      |
| PR07               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR07               | 02/19/16 | NR             | NR             | 3.08                  | NM            |                                    | Not Surveyed                      |
| PR07               | 05/20/16 | NR             | NR             | 0.27                  | NM            |                                    | Not Surveyed                      |
| PR07               | 08/12/16 | 39.63          | 39.10          | 0.53                  | 57.19         |                                    | Not Surveyed                      |
| PR07               | 11/18/16 | 39.81          | 38.83          | 0.98                  | NM            |                                    | Not Surveyed                      |
| PR07               | 02/13/17 | 40.18          | 39.11          | 1.07                  | NM            |                                    | Not Surveyed                      |
| PR08               | 11/18/14 | 48.95          | 45.75          | 3.20                  | 62.90         |                                    | Not Surveyed                      |
| PR08               | 02/11/15 | 50.33          | 46.11          | 4.22                  | 62.90         |                                    | Not Surveyed                      |
| PR08               | 05/18/15 | 52.09          | 45.20          | 6.89                  | 62.90         |                                    | Not Surveyed                      |
| PR08               | 08/25/15 | 45.95          | 38.67          | 7.28                  | 58.92         |                                    | Not Surveyed                      |
| PR08               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR08               | 02/19/16 | NR             | NR             | 7.26                  | NM            |                                    | Not Surveyed                      |
| PR08               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR08               | 08/12/16 | 38.61          | 38.47          | 0.14                  | 56.76         |                                    | Not Surveyed                      |
| PR08               | 11/18/16 | 38.76          | 38.36          | 0.40                  | NM            |                                    | Not Surveyed                      |
| PR08               | 02/13/17 | 38.96          | 38.47          | 0.49                  | NM            |                                    | Not Surveyed                      |
| PR09               | 11/18/14 | 60.53          | 40.81          | 19.72                 | 65.33         |                                    | Not Surveyed                      |
| PR09               | 02/11/15 | 57.77          | 41.32          | 16.45                 | 65.33         |                                    | Not Surveyed                      |
| PR09               | 05/18/15 | 54.68          | 40.88          | 13.80                 | 65.33         |                                    | Not Surveyed                      |
| PR09               | 08/25/15 | 44.08          | 38.86          | 5.22                  | 65.18         |                                    | Not Surveyed                      |
| PR09               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR09               | 02/19/16 | NR             | NR             | 6.62                  | NM            |                                    | Not Surveyed                      |
| PR09               | 05/20/16 | NR             | NR             | 0.42                  | NM            |                                    | Not Surveyed                      |
| PR09               | 08/12/16 | 38.58          | 38.23          | 0.35                  | 62.77         |                                    | Not Surveyed                      |



**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| PR09               | 11/18/16 | 38.48          | 38.30          | 0.18                  | NM            |                                    | Not Surveyed                      |
| PR09               | 02/13/17 | 39.36          | 37.93          | 1.43                  | NM            |                                    | Not Surveyed                      |
| PR10               | 11/18/14 | 52.29          | 43.72          | 8.57                  | 68.38         |                                    | Not Surveyed                      |
| PR10               | 02/11/15 | 52.40          | 42.22          | 10.18                 | 68.38         |                                    | Not Surveyed                      |
| PR10               | 05/18/15 | 54.06          | 43.55          | 10.51                 | 68.38         |                                    | Not Surveyed                      |
| PR10               | 08/25/15 | 41.19          | 39.08          | 2.11                  | 65.07         |                                    | Not Surveyed                      |
| PR10               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR10               | 02/19/16 | NR             | NR             | 2.35                  | NM            |                                    | Not Surveyed                      |
| PR10               | 05/20/16 | NR             | NR             | 0.05                  | NM            |                                    | Not Surveyed                      |
| PR10               | 08/12/16 | 37.76          | ND             | 0.00                  | 62.86         |                                    | Not Surveyed                      |
| PR10               | 11/18/16 | 38.12          | 37.77          | 0.35                  | NM            |                                    | Not Surveyed                      |
| PR10               | 02/13/17 | 37.87          | 37.75          | 0.12                  | NM            |                                    | Not Surveyed                      |
| PR11               | 11/18/14 | 51.90          | 45.35          | 6.55                  | 67.98         |                                    | Not Surveyed                      |
| PR11               | 02/11/15 | 52.40          | 45.54          | 6.86                  | 67.98         |                                    | Not Surveyed                      |
| PR11               | 05/18/15 | 57.40          | 44.53          | 12.87                 | 67.98         |                                    | Not Surveyed                      |
| PR11               | 08/25/15 | 42.62          | 38.61          | 4.01                  | 64.31         |                                    | Not Surveyed                      |
| PR11               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR11               | 02/19/16 | NR             | NR             | 5.45                  | NM            |                                    | Not Surveyed                      |
| PR11               | 05/20/16 | NR             | NR             | 2.35                  | NM            |                                    | Not Surveyed                      |
| PR11               | 08/12/16 | 38.95          | 37.20          | 1.75                  | 62.14         |                                    | Not Surveyed                      |
| PR11               | 11/18/16 | 37.78          | 37.59          | 0.19                  | NM            |                                    | Not Surveyed                      |
| PR11               | 02/13/17 | 37.94          | 37.41          | 0.53                  | NM            |                                    | Not Surveyed                      |
| PR12               | 11/18/14 | 50.22          | ND             | 0.00                  | 68.30         |                                    | Not Surveyed                      |
| PR12               | 02/11/15 | 48.99          | 48.92          | 0.07                  | 68.30         |                                    | Not Surveyed                      |
| PR12               | 05/18/15 | 48.44          | 48.20          | 0.24                  | 68.30         |                                    | Not Surveyed                      |
| PR12               | 08/25/15 | 40.92          | 40.13          | 0.79                  | 64.42         |                                    | Not Surveyed                      |
| PR12               | 11/20/15 | 40.56          | 39.75          | 1.31                  | 64.42         |                                    | Not Surveyed                      |
| PR12               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR12               | 05/20/16 | NR             | NR             | 2.10                  | NM            |                                    | Not Surveyed                      |
| PR12               | 08/12/16 | 37.84          | 37.79          | 0.05                  | 62.28         |                                    | Not Surveyed                      |
| PR12               | 11/18/16 | 38.07          | 37.59          | 0.48                  | NM            |                                    | Not Surveyed                      |
| PR12               | 02/13/17 | 38.29          | 37.45          | 0.84                  | NM            |                                    | Not Surveyed                      |
| PR13               | 11/18/14 | 48.77          | ND             | 0.00                  | 67.96         |                                    | Not Surveyed                      |
| PR13               | 02/11/15 | 49.08          | ND             | 0.00                  | 67.96         |                                    | Not Surveyed                      |
| PR13               | 05/18/15 | 48.84          | ND             | 0.00                  | 67.96         |                                    | Not Surveyed                      |
| PR13               | 08/25/15 | 44.39          | 44.34          | 0.05                  | 64.08         |                                    | Not Surveyed                      |
| PR13               | 11/20/15 | 43.80          | 43.78          | 0.02                  | 64.08         |                                    | Not Surveyed                      |
| PR13               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR13               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR13               | 08/12/16 | 41.64          | 41.38          | 0.26                  | 61.89         |                                    | Not Surveyed                      |
| PR13               | 11/18/16 | 41.80          | 41.42          | 0.38                  | NM            |                                    | Not Surveyed                      |
| PR13               | 02/13/17 | 41.76          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR14               | 11/18/14 | 48.46          | ND             | 0.00                  | 67.60         |                                    | Not Surveyed                      |
| PR14               | 02/11/15 | 48.58          | ND             | 0.00                  | 67.60         |                                    | Not Surveyed                      |
| PR14               | 05/18/15 | 48.25          | ND             | 0.00                  | 67.60         |                                    | Not Surveyed                      |
| PR14               | 08/25/15 | 43.88          | ND             | 0.00                  | 64.37         |                                    | Not Surveyed                      |
| PR14               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR14               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR14               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| PR14               | 08/12/16 | 41.64          | 40.70          | 0.94                  | 62.15         |                                    | Not Surveyed                      |
| PR14               | 11/18/16 | 41.03          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR14               | 02/13/17 | 41.68          | 41.04          | 0.64                  | NM            |                                    | Not Surveyed                      |
| PR15               | 11/18/14 | 48.92          | 48.74          | 0.18                  | 68.10         |                                    | Not Surveyed                      |
| PR15               | 02/11/15 | 49.08          | 48.42          | 0.66                  | 68.10         |                                    | Not Surveyed                      |
| PR15               | 05/18/15 | 49.62          | 47.75          | 1.87                  | 68.10         |                                    | Not Surveyed                      |
| PR15               | 08/25/15 | 45.91          | 42.92          | 2.99                  | 64.77         |                                    | Not Surveyed                      |
| PR15               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR15               | 02/19/16 | NR             | NR             | 4.62                  | NM            |                                    | Not Surveyed                      |
| PR15               | 05/20/16 | NR             | NR             | 0.73                  | NM            |                                    | Not Surveyed                      |
| PR15               | 08/12/16 | 41.54          | 40.40          | 1.14                  | 62.54         |                                    | Not Surveyed                      |
| PR15               | 11/18/16 | 42.13          | 40.14          | 1.99                  | NM            |                                    | Not Surveyed                      |
| PR15               | 02/13/17 | 41.16          | 40.79          | 0.37                  | NM            |                                    | Not Surveyed                      |
| PR16               | 11/18/14 | 47.70          | 47.06          | 0.64                  | 68.40         |                                    | Not Surveyed                      |
| PR16               | 02/11/15 | 48.84          | 46.79          | 2.05                  | 68.40         |                                    | Not Surveyed                      |
| PR16               | 05/18/15 | 51.58          | 45.53          | 6.05                  | 68.40         |                                    | Not Surveyed                      |
| PR16               | 08/25/15 | 50.02          | 40.81          | 9.21                  | 65.26         |                                    | Not Surveyed                      |
| PR16               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR16               | 02/19/16 | NR             | NR             | 10.66                 | NM            |                                    | Not Surveyed                      |
| PR16               | 05/20/16 | NR             | NR             | 1.56                  | NM            |                                    | Not Surveyed                      |
| PR16               | 08/12/16 | 40.83          | 39.85          | 0.98                  | 63.11         |                                    | Not Surveyed                      |
| PR16               | 11/18/16 | 43.87          | 38.69          | 5.18                  | NM            |                                    | Not Surveyed                      |
| PR16               | 02/13/17 | 40.64          | 40.14          | 0.50                  | NM            |                                    | Not Surveyed                      |
| PR17               | 11/18/14 | 47.62          | 47.51          | 0.11                  | 68.13         |                                    | Not Surveyed                      |
| PR17               | 02/11/15 | 47.69          | 47.44          | 0.25                  | 68.13         |                                    | Not Surveyed                      |
| PR17               | 05/18/15 | 47.68          | 47.06          | 0.62                  | 68.13         |                                    | Not Surveyed                      |
| PR17               | 08/25/15 | 43.33          | 42.55          | 0.78                  | 65.24         |                                    | Not Surveyed                      |
| PR17               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR17               | 02/19/16 | NR             | NR             | 0.95                  | NM            |                                    | Not Surveyed                      |
| PR17               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR17               | 08/12/16 | 39.95          | 39.90          | 0.05                  | 63.05         |                                    | Not Surveyed                      |
| PR17               | 11/18/16 | 39.74          | 39.63          | 0.11                  | NM            |                                    | Not Surveyed                      |
| PR17               | 02/13/17 | 40.01          | 39.85          | 0.16                  | NM            |                                    | Not Surveyed                      |
| PR18               | 11/18/14 | 49.95          | 45.97          | 3.98                  | 67.95         |                                    | Not Surveyed                      |
| PR18               | 02/11/15 | 54.62          | 45.95          | 8.67                  | 67.95         |                                    | Not Surveyed                      |
| PR18               | 05/18/15 | 58.44          | 44.91          | 13.53                 | 67.95         |                                    | Not Surveyed                      |
| PR18               | 08/25/15 | 50.27          | 40.50          | 9.77                  | 65.05         |                                    | Not Surveyed                      |
| PR18               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR18               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR18               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR18               | 08/12/16 | 49.20          | 37.31          | 11.89                 | 62.88         |                                    | Not Surveyed                      |
| PR18               | 11/18/16 | 44.79          | 37.70          | 7.09                  | NM            |                                    | Not Surveyed                      |
| PR18               | 02/13/17 | 42.20          | 38.47          | 3.73                  | NM            |                                    | Not Surveyed                      |
| PR19               | 11/18/14 | 51.35          | ND             | 0.00                  | 67.98         |                                    | Not Surveyed                      |
| PR19               | 02/11/15 | 49.41          | ND             | 0.00                  | 67.98         |                                    | Not Surveyed                      |
| PR19               | 05/18/15 | 48.71          | ND             | 0.00                  | 67.98         |                                    | Not Surveyed                      |
| PR19               | 08/25/15 | 43.27          | ND             | 0.00                  | 64.48         |                                    | Not Surveyed                      |
| PR19               | 11/20/15 | 44.04          | 41.98          | 2.06                  | 64.48         |                                    | Not Surveyed                      |
| PR19               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| PR19               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR19               | 08/12/16 | 44.98          | 39.59          | 5.39                  | 62.32         |                                    | Not Surveyed                      |
| PR19               | 11/18/16 | 42.08          | 38.88          | 3.20                  | NM            |                                    | Not Surveyed                      |
| PR19               | 02/13/17 | 40.07          | 39.67          | 0.40                  | NM            |                                    | Not Surveyed                      |
| PR20               | 11/18/14 | 52.50          | ND             | 0.00                  | 67.60         |                                    | Not Surveyed                      |
| PR20               | 02/11/15 | 52.78          | ND             | 0.00                  | 67.60         |                                    | Not Surveyed                      |
| PR20               | 05/18/15 | 52.71          | ND             | 0.00                  | 67.60         |                                    | Not Surveyed                      |
| PR20               | 08/25/15 | 49.03          | ND             | 0.00                  | 64.46         |                                    | Not Surveyed                      |
| PR20               | 11/20/15 | 48.99          | ND             | 0.00                  | 64.46         |                                    | Not Surveyed                      |
| PR20               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR20               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR20               | 08/12/16 | 46.49          | ND             | 0.00                  | 62.28         |                                    | Not Surveyed                      |
| PR20               | 11/18/16 | 42.64          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR20               | 02/13/17 | 46.25          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR21               | 11/18/14 | 52.39          | ND             | 0.00                  | 67.99         |                                    | Not Surveyed                      |
| PR21               | 02/11/15 | 52.59          | ND             | 0.00                  | 67.99         |                                    | Not Surveyed                      |
| PR21               | 05/18/15 | 52.52          | ND             | 0.00                  | 67.99         |                                    | Not Surveyed                      |
| PR21               | 08/25/15 | 48.70          | ND             | 0.00                  | 64.50         |                                    | Not Surveyed                      |
| PR21               | 11/20/15 | 48.56          | ND             | 0.00                  | 64.50         |                                    | Not Surveyed                      |
| PR21               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR21               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR21               | 08/12/16 | 46.10          | ND             | 0.00                  | 62.33         |                                    | Not Surveyed                      |
| PR21               | 11/18/16 | 46.55          | 46.54          | 0.01                  | NM            |                                    | Not Surveyed                      |
| PR21               | 02/13/17 | 45.88          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR22               | 11/18/14 | 52.20          | ND             | 0.00                  | 67.62         |                                    | Not Surveyed                      |
| PR22               | 02/11/15 | 52.15          | ND             | 0.00                  | 67.62         |                                    | Not Surveyed                      |
| PR22               | 05/18/15 | 52.10          | ND             | 0.00                  | 67.92         |                                    | Not Surveyed                      |
| PR22               | 08/25/15 | 48.44          | ND             | 0.00                  | 64.44         |                                    | Not Surveyed                      |
| PR22               | 11/20/15 | 48.26          | ND             | 0.00                  | 64.44         |                                    | Not Surveyed                      |
| PR22               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR22               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR22               | 08/12/16 | 45.71          | ND             | 0.00                  | 62.29         |                                    | Not Surveyed                      |
| PR22               | 11/18/16 | 45.69          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR22               | 02/13/17 | 45.50          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR23               | 11/18/14 | 52.52          | ND             | 0.00                  | 68.20         |                                    | Not Surveyed                      |
| PR23               | 02/11/15 | 52.18          | ND             | 0.00                  | 68.20         |                                    | Not Surveyed                      |
| PR23               | 05/18/15 | 52.09          | ND             | 0.00                  | 68.20         |                                    | Not Surveyed                      |
| PR23               | 08/25/15 | 48.16          | ND             | 0.00                  | 64.39         |                                    | Not Surveyed                      |
| PR23               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |
| PR23               | 02/19/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR23               | 05/20/16 | NR             | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR23               | 08/12/16 | 45.21          | ND             | 0.00                  | 62.17         |                                    | Not Surveyed                      |
| PR23               | 11/18/16 | 45.29          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR23               | 02/13/17 | 45.00          | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR24               | 11/18/14 | 51.71          | ND             | 0.00                  | 68.12         |                                    | Not Surveyed                      |
| PR24               | 02/11/15 | 51.82          | 51.65          | 0.17                  | 68.12         |                                    | Not Surveyed                      |
| PR24               | 05/18/15 | 52.04          | 51.44          | 0.60                  | 68.12         |                                    | Not Surveyed                      |
| PR24               | 08/25/15 | 48.29          | 47.56          | 0.73                  | 64.30         |                                    | Not Surveyed                      |
| PR24               | 11/09/15 | NM             | NM             | NM                    | NM            |                                    | Not Surveyed                      |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC)  | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|---|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| PR24               | 02/19/16 | NR  | NR             | 0.89                  | NM            |                                    | Not Surveyed                      |
| PR24               | 05/20/16 | NR  | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR24               | 08/12/16 | 44.80   | 44.66          | 0.14                  | 62.09         |                                    | Not Surveyed                      |
| PR24               | 11/18/16 | 44.83   | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR24               | 02/13/17 | 44.55   | 44.50          | 0.05                  | NM            |                                    | Not Surveyed                      |
| PR25               | 11/18/14 | 66.20   | ND             | 0.00                  | 68.15         |                                    | Not Surveyed                      |
| PR25               | 02/11/15 | 51.75   | 51.28          | 0.47                  | 68.15         |                                    | Not Surveyed                      |
| PR25               | 05/18/15 | 52.46   | 50.94          | 1.52                  | 68.15         |                                    | Not Surveyed                      |
| PR25               | 08/25/15 | 49.24   | 46.78          | 2.46                  | 64.39         |                                    | Not Surveyed                      |
| PR25               | 11/20/15 | 50.03   | 26.24          | 23.79                 | 64.39         |                                    | Not Surveyed                      |
| PR25               | 02/19/16 | NR  | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR25               | 05/20/16 | NR  | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR25               | 08/12/16 | 50.80   | 42.86          | 7.94                  | 62.27         |                                    | Not Surveyed                      |
| PR25               | 11/18/16 | 48.93   | 42.76          | 6.17                  | NM            |                                    | Not Surveyed                      |
| PR25               | 02/13/17 | 44.53   | 44.09          | 0.44                  | NM            |                                    | Not Surveyed                      |
| PR26               | 11/18/14 | 51.21   | 51.19          | 0.02                  | 67.90         |                                    | Not Surveyed                      |
| PR26               | 02/11/15 | 51.46   | 51.19          | 0.27                  | 67.90         |                                    | Not Surveyed                      |
| PR26               | 05/18/15 | 51.64   | 50.95          | 0.69                  | 67.90         |                                    | Not Surveyed                      |
| PR26               | 08/25/15 | 47.68   | 46.78          | 0.90                  | 63.98         |                                    | Not Surveyed                      |
| PR26               | 11/20/15 | 47.60   | 46.50          | 1.10                  | 63.98         |                                    | Not Surveyed                      |
| PR26               | 02/19/16 | NR  | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR26               | 05/20/16 | NR  | ND             | 0.00                  | NM            |                                    | Not Surveyed                      |
| PR26               | 08/12/16 | 46.27   | 43.13          | 3.14                  | 61.89         |                                    | Not Surveyed                      |
| PR26               | 11/18/16 | 43.96   | 43.62          | 0.34                  | NM            |                                    | Not Surveyed                      |
| PR26               | 02/13/17 | 43.65   | 43.24          | 0.41                  | NM            |                                    | Not Surveyed                      |
| SB01               | 02/21/14 | 41.68   | ND             | 0.00                  | 60.35         | 5245.29                            | 5203.61                           |
| SB01               | 05/16/14 | 41.13   | ND             | 0.00                  | 60.35         | 5245.29                            | 5204.16                           |
| SB01               | 05/19/14 | Removed From Monitoring Plan Due to Submerged Well Screen |                |                       |               |                                    |                                   |
| SB02               | 02/21/14 | 39.80   | ND             | 0.00                  | 59.95         | 5243.53                            | 5203.73                           |
| SB02               | 05/16/14 | 38.97   | ND             | 0.00                  | 59.95         | 5243.53                            | 5204.56                           |
| SB02               | 05/19/14 | Removed From Monitoring Plan Due to Submerged Well Screen |                |                       |               |                                    |                                   |
| SB03               | 02/21/14 | 42.01   | ND             | 0.00                  | 51.38         | 5245.57                            | 5203.56                           |
| SB03               | 05/16/14 | 41.41   | ND             | 0.00                  | 51.38         | 5245.57                            | 5204.16                           |
| SB03               | 08/27/14 | 41.82   | ND             | 0.00                  | 51.38         | 5245.57                            | 5203.75                           |
| SB03               | 11/18/14 | 41.56   | ND             | 0.00                  | 51.38         | 5245.57                            | 5204.01                           |
| SB03               | 02/11/15 | 41.82   | ND             | 0.00                  | 51.38         | 5245.57                            | 5203.75                           |
| SB03               | 05/18/15 | 41.72   | ND             | 0.00                  | 51.38         | 5245.57                            | 5203.85                           |
| SB03               | 08/25/15 | 35.39   | ND             | 0.00                  | 45.81         | 5241.17                            | 5205.78                           |
| SB03               | 11/20/15 | 34.49   | ND             | 0.00                  | 45.81         | 5242.17                            | 5207.68                           |
| SB03               | 02/19/16 | 34.26   | ND             | 0.00                  | 45.79         | 5242.17                            | 5207.91                           |
| SB03               | 05/20/16 | 33.57   | ND             | 0.00                  | 45.79         | 5242.17                            | 5208.60                           |
| SB03               | 08/12/16 | 32.57   | ND             | 0.00                  | 45.80         | 5242.17                            | 5209.60                           |
| SB03               | 11/18/16 | 31.76   | ND             | 0.00                  | 45.87         | 5242.17                            | 5210.41                           |
| SB03               | 02/13/17 | 31.23   | ND             | 0.00                  | 45.81         | 5242.17                            | 5210.94                           |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB04               | 02/21/14 | 39.24          | ND             | 0.00                  | 50.35         | 5242.85                            | 5203.61                           |
| SB04               | 05/16/14 | 38.37          | ND             | 0.00                  | 50.35         | 5242.85                            | 5204.48                           |
| SB04               | 08/27/14 | 38.97          | ND             | 0.00                  | 50.35         | 5242.85                            | 5203.88                           |
| SB04               | 11/18/14 | 38.72          | ND             | 0.00                  | 50.35         | 5242.85                            | 5204.13                           |
| SB04               | 02/11/15 | 39.01          | ND             | 0.00                  | 50.35         | 5242.85                            | 5203.84                           |
| SB04               | 05/18/15 | 38.87          | ND             | 0.00                  | 50.35         | 5242.85                            | 5203.98                           |
| SB04               | 08/25/15 | 34.70          | ND             | 0.00                  | 48.67         | 5241.29                            | 5206.59                           |
| SB04               | 11/20/15 | 33.97          | ND             | 0.00                  | 48.67         | 5242.29                            | 5208.32                           |
| SB04               | 02/19/16 | 33.80          | ND             | 0.00                  | 48.69         | 5242.29                            | 5208.49                           |
| SB04               | 05/20/16 | 36.50          | ND             | 0.00                  | 52.04         | 5244.63                            | 5208.13                           |
| SB04               | 08/12/16 | 35.66          | ND             | 0.00                  | 52.02         | 5244.63                            | 5208.97                           |
| SB04               | 11/18/16 | 35.01          | ND             | 0.00                  | 52.08         | 5244.63                            | 5209.62                           |
| SB04               | 02/13/17 | 34.50          | ND             | 0.00                  | 52.02         | 5244.63                            | 5210.13                           |
| SB05               | 02/21/14 | 45.35          | 41.10          | 4.25                  | 49.10         | 5244.11                            | 5201.94                           |
| SB05               | 05/16/14 | 42.19          | 41.92          | 0.27                  | 49.10         | 5244.11                            | 5202.12                           |
| SB05               | 08/27/14 | 42.45          | 41.10          | 1.35                  | 49.10         | 5244.11                            | 5202.67                           |
| SB05               | 11/18/14 | 41.61          | 41.27          | 0.34                  | 49.10         | 5244.11                            | 5202.75                           |
| SB05               | 02/11/15 | 42.92          | 41.58          | 1.34                  | 49.10         | 5244.11                            | 5202.19                           |
| SB05               | 05/18/15 | 42.36          | 41.38          | 0.98                  | 49.10         | 5243.26                            | 5201.64                           |
| SB05               | 08/25/15 | 38.02          | 36.99          | 1.03                  | 47.39         | 5243.26                            | 5206.01                           |
| SB05               | 11/20/15 | 38.12          | 36.78          | 1.34                  | 47.39         | 5244.26                            | 5207.15                           |
| SB05               | 02/19/16 | 36.70          | ND             | 0.00 <sup>1</sup>     | 47.39         | 5244.26                            | 5207.56                           |
| SB05               | 05/20/16 | 43.95          | 41.63          | 2.32                  | 51.85         | 5247.71                            | 5205.50                           |
| SB05               | 08/12/16 | 44.64          | 41.84          | 2.80                  | 51.89         | 5247.71                            | 5205.17                           |
| SB05               | 11/18/16 | 44.93          | 41.90          | 3.03                  | NM            | 5247.71                            | 5205.05                           |
| SB05               | 02/13/17 | 44.70          | 41.66          | 3.04                  | NM            | 5247.71                            | 5205.29                           |
| SB06               | 02/21/14 | 39.86          | ND             | 0.00                  | 49.52         | 5243.55                            | 5203.69                           |
| SB06               | 05/16/14 | 38.91          | ND             | 0.00                  | 49.52         | 5243.55                            | 5204.64                           |
| SB06               | 08/27/14 | 39.55          | ND             | 0.00                  | 49.52         | 5243.55                            | 5204.00                           |
| SB06               | 11/18/14 | 39.32          | ND             | 0.00                  | 49.52         | 5243.55                            | 5204.23                           |
| SB06               | 02/11/15 | 39.59          | ND             | 0.00                  | 49.52         | 5243.55                            | 5203.96                           |
| SB06               | 05/18/15 | 39.49          | ND             | 0.00                  | 49.52         | 5243.55                            | 5204.06                           |
| SB06               | 08/25/15 | 35.21          | ND             | 0.00                  | 47.61         | 5241.80                            | 5206.59                           |
| SB06               | 11/20/15 | 34.44          | ND             | 0.00                  | 47.61         | 5242.80                            | 5208.36                           |
| SB06               | 02/19/16 | 34.20          | ND             | 0.00                  | 47.60         | 5242.80                            | 5208.60                           |
| SB06               | 05/20/16 | 37.08          | ND             | 0.00                  | 50.98         | 5245.23                            | 5208.15                           |
| SB06               | 08/12/16 | 36.38          | ND             | 0.00                  | 50.98         | 5245.23                            | 5208.85                           |
| SB06               | 11/18/16 | 35.73          | ND             | 0.00                  | 51.10         | 5245.23                            | 5209.50                           |
| SB06               | 02/13/17 | 35.33          | ND             | 0.00                  | 50.96         | 5245.23                            | 5209.90                           |
| SB07               | 02/21/14 | 42.73          | ND             | 0.00                  | 50.40         | 5245.62                            | 5202.89                           |
| SB07               | 05/16/14 | 42.70          | ND             | 0.00                  | 50.40         | 5245.62                            | 5202.92                           |
| SB07               | 08/27/14 | 42.55          | ND             | 0.00                  | 50.40         | 5245.62                            | 5203.07                           |
| SB07               | 11/18/14 | 42.34          | ND             | 0.00                  | 50.40         | 5245.62                            | 5203.28                           |
| SB07               | 02/11/15 | 42.45          | ND             | 0.00                  | 50.40         | 5245.62                            | 5203.17                           |
| SB07               | 05/18/15 | 39.70          | ND             | 0.00                  | 47.82         | 5243.18                            | 5203.48                           |
| SB07               | 08/25/15 | 38.25          | ND             | 0.00                  | 47.84         | 5243.18                            | 5204.93                           |
| SB07               | 11/20/15 | 33.08          | ND             | 0.00                  | 47.84         | 5244.18                            | 5211.10                           |
| SB07               | 02/19/16 | 34.78          | ND             | 0.00                  | 47.84         | 5244.18                            | 5209.40                           |
| SB07               | 05/20/16 | 40.30          | ND             | 0.00                  | 51.56         | 5246.91                            | 5206.61                           |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB07               | 08/12/16 | 40.37          | ND             | 0.00                  | 51.56         | 5246.91                            | 5206.54                           |
| SB07               | 11/18/16 | 40.17          | ND             | 0.00                  | 51.63         | 5246.91                            | 5206.74                           |
| SB07               | 02/13/17 | 39.84          | ND             | 0.00                  | 51.56         | 5246.91                            | 5207.07                           |
| SB08               | 02/21/14 | 44.46          | ND             | 0.00                  | 50.41         | 5246.57                            | 5202.11                           |
| SB08               | 05/16/14 | 44.54          | ND             | 0.00                  | 50.41         | 5246.57                            | 5202.03                           |
| SB08               | 08/27/14 | 44.30          | ND             | 0.00                  | 50.41         | 5246.57                            | 5202.27                           |
| SB08               | 11/18/14 | 45.16          | 44.88          | 0.28                  | 50.41         | 5246.57                            | 5201.62                           |
| SB08               | 02/11/15 | 45.64          | 45.51          | 0.13                  | 50.41         | 5246.57                            | 5201.03                           |
| SB08               | 05/18/15 | 45.09          | ND             | 0.00                  | 50.41         | 5246.57                            | 5201.48                           |
| SB08               | 08/25/15 | 40.63          | ND             | 0.00                  | 48.32         | 5244.80                            | 5204.17                           |
| SB08               | 11/20/15 | 39.04          | 39.01          | 0.03                  | 48.32         | 5245.80                            | 5206.78                           |
| SB08               | 02/19/16 | 35.17          | ND             | 0.00 <sup>1</sup>     | 48.32         | 5245.80                            | 5210.63                           |
| SB08               | 05/20/16 | 42.88          | ND             | 0.00                  | 51.08         | 5247.67                            | 5204.79                           |
| SB08               | 08/12/16 | 43.20          | ND             | 0.00                  | 51.00         | 5247.67                            | 5204.47                           |
| SB08               | 11/18/16 | 42.91          | ND             | 0.00                  | 51.26         | 5247.67                            | 5204.76                           |
| SB08               | 02/13/17 | 42.75          | ND             | 0.00                  | 51.08         | 5247.67                            | 5204.92                           |
| SB09               | 02/21/14 | 45.80          | 43.00          | 2.80                  | 50.55         | 5245.53                            | 5201.83                           |
| SB09               | 05/16/14 | 45.37          | 43.81          | 1.56                  | 50.55         | 5245.53                            | 5201.33                           |
| SB09               | 08/27/14 | 42.67          | 42.12          | 0.55                  | 49.79         | 5244.86                            | 5202.60                           |
| SB09               | 11/18/14 | 42.19          | 41.37          | 0.82                  | 50.55         | 5244.86                            | 5203.29                           |
| SB09               | 02/11/15 | 43.07          | 41.97          | 1.10                  | 50.55         | 5244.86                            | 5202.62                           |
| SB09               | 05/18/15 | 42.30          | 41.23          | 1.07                  | 50.55         | 5244.86                            | 5203.36                           |
| SB09               | 08/25/15 | 39.98          | 38.35          | 1.63                  | 47.44         | 5243.49                            | 5204.73                           |
| SB09               | 11/20/15 | 40.11          | 38.36          | 1.75                  | 47.44         | 5244.49                            | 5205.69                           |
| SB09               | 02/19/16 | 38.17          | NM             | NM <sup>1</sup>       | 47.44         | 5244.49                            | 5206.32                           |
| SB09               | 05/20/16 | 43.94          | 42.99          | 0.95                  | 52.15         | 5248.20                            | 5204.98                           |
| SB09               | 08/12/16 | 44.39          | 43.30          | 1.09                  | 52.19         | 5248.20                            | 5204.63                           |
| SB09               | 11/18/16 | 44.49          | 43.35          | 1.14                  | NM            | 5248.20                            | 5204.57                           |
| SB09               | 02/13/17 | 44.32          | 43.29          | 1.03                  | NM            | 5248.20                            | 5204.66                           |
| SB10               | 02/21/14 | 41.71          | ND             | 0.00                  | 50.49         | 5245.24                            | 5203.53                           |
| SB10               | 05/16/14 | 41.17          | ND             | 0.00                  | 50.49         | 5245.24                            | 5204.07                           |
| SB10               | 08/27/14 | 41.23          | 41.22          | 0.01                  | 50.49         | 5245.24                            | 5204.02                           |
| SB10               | 11/18/14 | 40.92          | ND             | 0.00                  | 50.49         | 5245.24                            | 5204.32                           |
| SB10               | 02/11/15 | 41.18          | ND             | 0.00                  | 50.49         | 5245.24                            | 5204.06                           |
| SB10               | 05/18/15 | 39.03          | ND             | 0.00                  | 48.35         | 5243.28                            | 5204.25                           |
| SB10               | 08/25/15 | 37.39          | ND             | 0.00                  | 48.35         | 5243.28                            | 5205.89                           |
| SB10               | 11/20/15 | 36.25          | ND             | 0.00                  | 48.35         | 5244.28                            | 5208.03                           |
| SB10               | 02/19/16 | 35.65          | ND             | 0.00 <sup>1</sup>     | 48.35         | 5244.28                            | 5208.63                           |
| SB10               | 05/20/16 | 40.29          | ND             | 0.00                  | 51.89         | 5247.80                            | 5207.51                           |
| SB10               | 08/12/16 | 40.19          | ND             | 0.00                  | 52.90         | 5247.80                            | 5207.61                           |
| SB10               | 11/18/16 | 39.82          | ND             | 0.00                  | 52.96         | 5247.80                            | 5207.98                           |
| SB10               | 02/13/17 | 39.56          | ND             | 0.00                  | 52.90         | 5247.80                            | 5208.24                           |
| SB11               | 02/21/14 | 40.03          | ND             | 0.00                  | 50.35         | 5244.09                            | 5204.06                           |
| SB11               | 05/16/14 | 38.96          | ND             | 0.00                  | 50.35         | 5244.09                            | 5205.13                           |
| SB11               | 08/27/14 | 39.70          | ND             | 0.00                  | 50.35         | 5244.09                            | 5204.39                           |
| SB11               | 11/18/14 | 39.41          | ND             | 0.00                  | 50.35         | 5244.09                            | 5204.68                           |
| SB11               | 02/11/15 | 39.65          | ND             | 0.00                  | 50.35         | 5244.09                            | 5204.44                           |
| SB11               | 05/18/15 | 39.29          | ND             | 0.00                  | 50.35         | 5244.09                            | 5204.80                           |
| SB11               | 08/25/15 | 35.30          | ND             | 0.00                  | 48.11         | 5241.88                            | 5206.58                           |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| <b>Monitoring Well ID</b> | <b>Date</b> | <b>DTW (ft. BTOC)</b> | <b>DTP (ft. BTOC)</b> | <b>LNAPL Thickness (ft.)</b> | <b>TD (ft. BTOC)</b> | <b>Top of Casing Elevation (ft. AMSL)</b> | <b>Groundwater Elevation* (ft. AMSL)</b> |
|---------------------------|-------------|-----------------------|-----------------------|------------------------------|----------------------|---|--|
| SB11                      | 11/20/15    | 34.59                 | ND                    | 0.00                         | 48.11                | 5242.88                                   | 5208.29                                  |
| SB11                      | 02/19/16    | 34.32                 | ND                    | 0.00                         | 48.11                | 5242.88                                   | 5208.56                                  |
| SB11                      | 05/20/16    | 37.15                 | ND                    | 0.00                         | 51.54                | 5245.20                                   | 5208.05                                  |
| SB11                      | 08/12/16    | 36.65                 | ND                    | 0.00                         | 51.44                | 5245.20                                   | 5208.55                                  |
| SB11                      | 11/18/16    | 36.05                 | ND                    | 0.00                         | 51.51                | 5245.20                                   | 5209.15                                  |
| SB11                      | 02/13/17    | 35.69                 | ND                    | 0.00                         | 51.44                | 5245.20                                   | 5209.51                                  |
| SB12                      | 02/21/14    | 39.44                 | ND                    | 0.00                         | 50.50                | 5243.18                                   | 5203.74                                  |
| SB12                      | 05/16/14    | 39.31                 | ND                    | 0.00                         | 50.50                | 5243.18                                   | 5203.87                                  |
| SB12                      | 08/27/14    | 39.30                 | ND                    | 0.00                         | 50.50                | 5243.18                                   | 5203.88                                  |
| SB12                      | 11/18/14    | 39.29                 | ND                    | 0.00                         | 50.50                | 5243.18                                   | 5203.89                                  |
| SB12                      | 02/11/15    | 39.14                 | ND                    | 0.00                         | 50.50                | 5243.18                                   | 5204.04                                  |
| SB12                      | 05/18/15    | 38.93                 | ND                    | 0.00                         | 50.50                | 5243.18                                   | 5204.25                                  |
| SB12                      | 08/25/15    | 36.31                 | ND                    | 0.00                         | 48.60                | 5241.41                                   | 5205.10                                  |
| SB12                      | 11/20/15    | 35.10                 | ND                    | 0.00                         | 48.60                | 5242.41                                   | 5207.31                                  |
| SB12                      | 02/19/16    | 34.22                 | ND                    | 0.00                         | 48.61                | 5242.41                                   | 5208.19                                  |
| SB12                      | 05/20/16    | 33.74                 | ND                    | 0.00                         | 48.61                | 5242.41                                   | 5208.67                                  |
| SB12                      | 08/12/16    | 32.90                 | ND                    | 0.00                         | 48.62                | 5242.41                                   | 5209.51                                  |
| SB12                      | 11/18/16    | 31.68                 | ND                    | 0.00                         | 48.70                | 5242.41                                   | 5210.73                                  |
| SB12                      | 02/13/17    | 30.93                 | ND                    | 0.00                         | 48.63                | 5242.41                                   | 5211.48                                  |
| SB13                      | 02/21/14    | 42.93                 | ND                    | 0.00                         | 50.48                | 5244.13                                   | 5201.20                                  |
| SB13                      | 05/16/14    | 42.43                 | ND                    | 0.00                         | 50.48                | 5244.13                                   | 5201.70                                  |
| SB13                      | 08/27/14    | 41.30                 | ND                    | 0.00                         | 50.48                | 5244.13                                   | 5202.83                                  |
| SB13                      | 11/18/14    | 40.79                 | ND                    | 0.00                         | 50.48                | 5244.13                                   | 5203.34                                  |
| SB13                      | 02/11/15    | 40.65                 | ND                    | 0.00                         | 50.48                | 5244.13                                   | 5203.48                                  |
| SB13                      | 05/18/15    | 40.26                 | ND                    | 0.00                         | 50.48                | 5244.13                                   | 5203.87                                  |
| SB13                      | 08/25/15    | 36.95                 | ND                    | 0.00                         | 48.39                | 5242.18                                   | 5205.23                                  |
| SB13                      | 11/20/15    | 34.54                 | ND                    | 0.00                         | 48.39                | 5243.18                                   | 5208.64                                  |
| SB13                      | 02/19/16    | 33.83                 | ND                    | 0.00                         | 48.07                | 5243.18                                   | 5209.35                                  |
| SB13                      | 05/20/16    | 37.35                 | ND                    | 0.00                         | 51.69                | 5245.47                                   | 5208.12                                  |
| SB13                      | 08/12/16    | 36.46                 | ND                    | 0.00                         | 51.69                | 5245.47                                   | 5209.01                                  |
| SB13                      | 11/18/16    | 35.98                 | ND                    | 0.00                         | 51.74                | 5245.47                                   | 5209.49                                  |
| SB13                      | 02/13/17    | 35.74                 | ND                    | 0.00                         | 51.68                | 5245.47                                   | 5209.73                                  |
| SB14                      | 02/21/14    | 41.04                 | ND                    | 0.00                         | 50.39                | 5244.82                                   | 5203.78                                  |
| SB14                      | 05/16/14    | 40.36                 | ND                    | 0.00                         | 50.39                | 5244.82                                   | 5204.46                                  |
| SB14                      | 08/27/14    | 40.67                 | ND                    | 0.00                         | 50.39                | 5244.82                                   | 5204.15                                  |
| SB14                      | 11/18/14    | 40.36                 | ND                    | 0.00                         | 50.39                | 5244.82                                   | 5204.46                                  |
| SB14                      | 02/11/15    | 40.64                 | ND                    | 0.00                         | 50.39                | 5244.82                                   | 5204.18                                  |
| SB14                      | 05/18/15    | 40.52                 | ND                    | 0.00                         | 50.39                | 5244.82                                   | 5204.30                                  |
| SB14                      | 08/25/15    | 36.86                 | ND                    | 0.00                         | 48.45                | 5243.02                                   | 5206.16                                  |
| SB14                      | 11/20/15    | 35.82                 | ND                    | 0.00                         | 48.45                | 5244.02                                   | 5208.20                                  |
| SB14                      | 02/19/16    | 35.34                 | ND                    | 0.00                         | 48.45                | 5244.02                                   | 5208.68                                  |
| SB14                      | 05/20/16    | 38.42                 | ND                    | 0.00                         | 51.94                | 5246.22                                   | 5207.80                                  |
| SB14                      | 08/12/16    | 38.23                 | ND                    | 0.00                         | 51.64                | 5246.22                                   | 5207.99                                  |
| SB14                      | 11/18/16    | 37.77                 | ND                    | 0.00                         | 51.69                | 5246.22                                   | 5208.45                                  |
| SB14                      | 02/13/17    | 37.41                 | ND                    | 0.00                         | 51.63                | 5246.22                                   | 5208.81                                  |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC)                                       | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|--|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB15               | 02/21/14 | 40.67  | ND             | 0.00                  | 45.40         | 5244.25                            | 5203.58                           |
| SB15               | 05/16/14 | 40.39  | ND             | 0.00                  | 45.40         | 5244.25                            | 5203.86                           |
| SB15               | 08/27/14 | 40.38  | ND             | 0.00                  | 45.40         | 5244.25                            | 5203.87                           |
| SB15               | 11/18/14 | 40.10  | ND             | 0.00                  | 45.40         | 5244.25                            | 5204.15                           |
| SB15               | 02/11/15 | 40.23  | ND             | 0.00                  | 45.40         | 5244.25                            | 5204.02                           |
| SB15               | 05/18/15 | 40.10  | ND             | 0.00                  | 45.10         | 5244.37                            | 5204.27                           |
| SB15               | 08/25/15 | 38.88  | ND             | 0.00                  | 45.13         | 5244.37                            | 5205.49                           |
| SB15               | 11/20/15 | 37.37  | ND             | 0.00                  | 45.13         | 5245.37                            | 5208.00                           |
| SB15               | 02/19/16 | 37.15  | ND             | 0.00                  | 45.13         | 5245.37                            | 5208.22                           |
| SB15               | 05/20/16 | 40.91  | ND             | 0.00                  | 48.72         | 5247.97                            | 5207.06                           |
| SB15               | 08/12/16 | 40.86  | ND             | 0.00                  | 48.37         | 5247.97                            | 5207.11                           |
| SB15               | 11/18/16 | 40.38  | ND             | 0.00                  | 48.77         | 5247.97                            | 5207.59                           |
| SB15               | 02/13/17 | 40.04  | ND             | 0.00                  | 48.45         | 5247.97                            | 5207.93                           |
| SB16               | 02/21/14 | 42.53  | ND             | 0.00                  | 42.78         | 5247.56                            | DRY                               |
| SB16               | 05/16/14 | 42.53  | ND             | 0.00                  | 42.78         | 5247.56                            | DRY                               |
| SB16               | 08/27/14 | 42.54  | ND             | 0.00                  | 42.78         | 5247.56                            | DRY                               |
| SB16               | 11/18/14 | 42.56  | ND             | 0.00                  | 42.78         | 5247.56                            | DRY                               |
| SB16               | 02/11/15 | 42.55  | ND             | 0.00                  | 42.78         | 5247.56                            | DRY                               |
| SB16               | 05/18/15 | 42.50  | ND             | 0.00                  | 42.78         | 5247.56                            | DRY                               |
| SB16               | 08/25/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                       |               |                                    |                                   |
| SB16R              | 02/21/14 | 46.69  | 46.16          | 0.53                  | 63.30         | 5247.81                            | 5201.51                           |
| SB16R              | 05/16/14 | 46.59  | ND             | 0.00                  | 63.30         | 5247.81                            | 5201.22                           |
| SB16R              | 08/27/14 | 45.94  | 45.85          | 0.09                  | 63.30         | 5247.81                            | 5201.93                           |
| SB16R              | 11/18/14 | 46.61  | 46.58          | 0.03                  | 63.30         | 5247.81                            | 5201.22                           |
| SB16R              | 02/11/15 | 46.85  | 46.48          | 0.37                  | 63.30         | 5247.81                            | 5201.23                           |
| SB16R              | 05/18/15 | 44.09  | 43.95          | 0.14                  | 63.30         | 5245.56                            | 5201.57                           |
| SB16R              | 08/25/15 | 42.65  | 41.29          | 1.36                  | 60.35         | 5245.56                            | 5203.93                           |
| SB16R              | 11/20/15 | 42.82  | 42.04          | 0.78                  | 60.35         | 5246.56                            | 5204.32                           |
| SB16R              | 02/19/16 | 42.81  | 41.57          | 1.24                  | 60.35         | 5246.56                            | 5204.68                           |
| SB16R              | 05/20/16 | ND <sup>2</sup>                                      | 45.19          | > 0.51                | 45.70         | 5249.19                            | DRY <sup>2</sup>                  |
| SB16R              | 08/12/16 | ND <sup>2</sup>                                      | 45.29          | > 0.66                | 45.95         | 5249.19                            | DRY <sup>2</sup>                  |
| SB16R              | 11/18/16 | ND <sup>2</sup>                                      | 45.14          | >1.28                 | 46.42         | 5249.19                            | DRY <sup>2</sup>                  |
| SB16R              | 02/13/17 | ND <sup>2</sup>                                      | 45.34          | > 1.42                | 46.76         | 5249.19                            | DRY <sup>2</sup>                  |
| SB17               | 02/21/14 | 43.97  | ND             | 0.00                  | 50.40         | 5244.55                            | 5200.58                           |
| SB17               | 05/16/14 | 42.99  | ND             | 0.00                  | 50.40         | 5244.55                            | 5201.56                           |
| SB17               | 08/27/14 | 41.19  | ND             | 0.00                  | 50.40         | 5244.55                            | 5203.36                           |
| SB17               | 11/18/14 | 40.81  | ND             | 0.00                  | 50.40         | 5244.55                            | 5203.74                           |
| SB17               | 02/11/15 | 40.65  | ND             | 0.00                  | 50.40         | 5244.55                            | 5203.90                           |
| SB17               | 05/18/15 | 40.40  | ND             | 0.00                  | 50.40         | 5244.55                            | 5204.15                           |
| SB17               | 08/25/15 | 38.37  | ND             | 0.00                  | 48.44         | 5242.72                            | 5204.35                           |
| SB17               | 11/20/15 | 38.22  | ND             | 0.00                  | 48.44         | 5243.72                            | 5205.50                           |
| SB17               | 02/19/16 | 37.59  | ND             | 0.00                  | 48.44         | 5243.72                            | 5206.13                           |
| SB17               | 05/20/16 | 36.77  | ND             | 0.00                  | 48.44         | 5243.72                            | 5206.95                           |
| SB17               | 08/12/16 | 36.33  | ND             | 0.00                  | 48.43         | 5243.72                            | 5207.39                           |
| SB17               | 11/18/16 | 35.52  | ND             | 0.00                  | 48.50         | 5243.72                            | 5208.20                           |
| SB17               | 02/13/17 | 34.42  | ND             | 0.00                  | 48.43         | 5243.72                            | 5209.30                           |
| SB18               | 02/21/14 | 40.95  | ND             | 0.00                  | 50.38         | 5245.80                            | 5204.85                           |
| SB18               | 05/16/14 | 40.98  | ND             | 0.00                  | 50.38         | 5245.80                            | 5204.82                           |
| SB18               | 08/27/14 | 41.22  | ND             | 0.00                  | 50.38         | 5245.80                            | 5204.58                           |



**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC)                                       | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|--|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB18               | 11/18/14 | 41.22  | ND             | 0.00                  | 50.38         | 5245.80                            | 5204.58                           |
| SB18               | 02/11/15 | 41.12  | ND             | 0.00                  | 50.38         | 5245.80                            | 5204.68                           |
| SB18               | 05/18/15 | 37.38  | ND             | 0.00                  | 48.18         | 5243.72                            | 5206.34                           |
| SB18               | 08/25/15 | 38.55  | ND             | 0.00                  | 48.19         | 5243.72                            | 5205.17                           |
| SB18               | 11/20/15 | 38.14  | ND             | 0.00                  | 48.19         | 5244.72                            | 5206.58                           |
| SB18               | 02/19/16 | 37.44  | ND             | 0.00                  | 48.09         | 5244.72                            | 5207.28                           |
| SB18               | 05/20/16 | 36.69  | ND             | 0.00                  | 48.09         | 5244.72                            | 5208.03                           |
| SB18               | 08/12/16 | 36.51  | ND             | 0.00                  | 48.22         | 5244.72                            | 5208.21                           |
| SB18               | 11/18/16 | 35.87  | ND             | 0.00                  | 48.23         | 5244.72                            | 5208.85                           |
| SB18               | 02/13/17 | 34.94  | ND             | 0.00                  | 48.18         | 5244.72                            | 5209.78                           |
| SB19               | 02/21/14 | 43.53  | ND             | 0.00                  | 50.41         | 5246.58                            | 5203.05                           |
| SB19               | 05/16/14 | 42.65  | ND             | 0.00                  | 50.41         | 5246.58                            | 5203.93                           |
| SB19               | 08/27/14 | 41.44  | ND             | 0.00                  | 50.41         | 5246.58                            | 5205.14                           |
| SB19               | 11/18/14 | 41.08  | ND             | 0.00                  | 50.41         | 5246.58                            | 5205.50                           |
| SB19               | 02/11/15 | 40.81  | ND             | 0.00                  | 50.41         | 5246.58                            | 5205.77                           |
| SB19               | 05/18/15 | 38.40  | ND             | 0.00                  | 48.37         | 5244.65                            | 5206.25                           |
| SB19               | 08/25/15 | 38.30  | ND             | 0.00                  | 48.11         | 5244.65                            | 5206.35                           |
| SB19               | 11/20/15 | 38.06  | ND             | 0.00                  | 48.11         | 5245.65                            | 5207.59                           |
| SB19               | 02/19/16 | 37.23  | ND             | 0.00                  | 48.11         | 5245.65                            | 5208.42                           |
| SB19               | 05/20/16 | 36.50  | ND             | 0.00                  | 48.11         | 5245.65                            | 5209.15                           |
| SB19               | 08/12/16 | 36.24  | ND             | 0.00                  | 48.13         | 5245.65                            | 5209.41                           |
| SB19               | 11/18/16 | 35.47  | ND             | 0.00                  | 48.25         | 5245.65                            | 5210.18                           |
| SB19               | 02/13/17 | 34.29  | ND             | 0.00                  | 48.13         | 5245.65                            | 5211.36                           |
| SB20               | 02/21/14 | 47.62  | ND             | 0.00                  | 50.33         | 5247.52                            | 5199.90                           |
| SB20               | 05/16/14 | 47.13  | ND             | 0.00                  | 50.33         | 5247.52                            | 5200.39                           |
| SB20               | 08/27/14 | 46.44  | ND             | 0.00                  | 50.33         | 5247.52                            | 5201.08                           |
| SB20               | 11/18/14 | 46.07  | ND             | 0.00                  | 50.33         | 5247.52                            | 5201.45                           |
| SB20               | 02/11/15 | 45.94  | ND             | 0.00                  | 50.33         | 5247.52                            | 5201.58                           |
| SB20               | 05/18/15 | 43.50  | ND             | 0.00                  | 48.10         | 5245.40                            | 5201.90                           |
| SB20               | 08/25/15 | 43.44  | ND             | 0.00                  | 48.10         | 5245.40                            | 5201.96                           |
| SB20               | 11/20/15 | 40.08  | ND             | 0.00                  | 48.10         | 5246.40                            | 5206.32                           |
| SB20               | 02/19/16 | 34.31  | ND             | 0.00                  | 48.10         | 5246.40                            | 5212.09                           |
| SB20               | 05/20/16 | 42.79  | ND             | 0.00                  | 51.31         | 5248.62                            | 5205.83                           |
| SB20               | 08/12/16 | 44.06  | ND             | 0.00                  | 51.30         | 5248.62                            | 5204.56                           |
| SB20               | 11/18/16 | 44.46  | ND             | 0.00                  | 51.34         | 5248.62                            | 5204.16                           |
| SB20               | 02/13/17 | 44.19  | ND             | 0.00                  | 51.29         | 5248.62                            | 5204.43                           |
| SB20R              | 02/21/14 | ND   | ND             | 0.00                  | 61.05         | 5247.80                            | DRY                               |
| SB20R              | 05/16/14 | ND   | ND             | 0.00                  | 61.05         | 5247.80                            | DRY                               |
| SB20R              | 08/27/14 | ND   | ND             | 0.00                  | 61.05         | 5247.80                            | DRY                               |
| SB20R              | 11/18/14 | 60.50  | ND             | 0.00                  | 61.05         | 5247.80                            | 5187.30                           |
| SB20R              | 02/11/15 | 59.78  | ND             | 0.00                  | 61.05         | 5247.80                            | 5188.02                           |
| SB20R              | 05/18/15 | 58.91  | ND             | 0.00                  | 61.05         | 5247.80                            | 5188.89                           |
| SB20R              | 08/25/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                       |               |                                    |                                   |
| SB21               | 02/21/14 | 47.54  | 46.21          | 1.33                  | 49.30         | 5248.31                            | 5201.77                           |
| SB21               | 05/16/14 | 47.68  | 45.76          | 1.92                  | 49.30         | 5248.31                            | 5202.07                           |
| SB21               | 08/27/14 | ND   | 46.10          | > 1.72                | 47.82         | 5248.31                            | DRY                               |
| SB21               | 11/18/14 | ND   | 46.22          | > 1.60                | 47.82         | 5248.31                            | DRY                               |
| SB21               | 02/11/15 | ND   | 46.52          | > 1.38                | 47.90         | 5248.31                            | DRY                               |
| SB21               | 05/18/15 | 45.25  | 44.76          | 0.49                  | 45.70         | 5246.33                            | DRY                               |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC)                                       | DTP (ft. BTOC)     | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|--|--------------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB21               | 08/25/15 | 45.39  | 43.65              | 1.74                  | 45.70         | 5246.33                            | DRY                               |
| SB21               | 11/20/15 | 44.63  | 42.25              | 2.38                  | 45.70         | 5246.33                            | 5203.48                           |
| SB21               | 02/19/16 | 42.85  | ND                 | TRACE                 | 45.70         | 5246.33                            | 5203.48                           |
| SB21               | 05/20/16 | 47.44  | 47.01              | 0.43                  | 49.15         | 5249.71                            | 5202.59                           |
| SB21               | 08/12/16 | 47.26  | 46.26 <sup>3</sup> | 1.00 <sup>3</sup>     | 49.14         | 5249.71                            | 5203.20                           |
| SB21               | 11/18/16 | 48.13  | 46.96              | 1.17                  | NM            | 5249.71                            | 5203.20                           |
| SB21               | 02/13/17 | 48.59  | 46.93              | 1.66                  | NM            | 5249.71                            | 5202.36                           |
| SB22               | 02/21/14 | 50.07  | ND                 | 0.00                  | 50.30         | 5250.64                            | DRY                               |
| SB22               | 05/16/14 | 50.09  | ND                 | 0.00                  | 50.30         | 5250.64                            | DRY                               |
| SB22               | 08/27/14 | 50.05  | ND                 | 0.00                  | 50.30         | 5250.64                            | DRY                               |
| SB22               | 11/18/14 | 49.94  | ND                 | 0.00                  | 50.30         | 5250.64                            | DRY                               |
| SB22               | 02/11/15 | 50.10  | ND                 | 0.00                  | 50.30         | 5250.64                            | DRY                               |
| SB22               | 05/18/15 | 50.03  | ND                 | 0.00                  | 50.30         | 5250.64                            | DRY                               |
| SB22               | 08/25/15 | Removed From Monitoring Plan - Plugged and Abandoned |                    |                       |               |                                    |                                   |
| SB22R              | 02/21/14 | 50.03  | ND                 | 0.00                  | 63.07         | 5250.65                            | 5200.62                           |
| SB22R              | 05/16/14 | 50.07  | ND                 | 0.00                  | 63.07         | 5250.65                            | 5200.58                           |
| SB22R              | 08/27/14 | 49.94  | ND                 | 0.00                  | 63.07         | 5250.65                            | 5200.71                           |
| SB22R              | 11/18/14 | 49.92  | ND                 | 0.00                  | 63.07         | 5250.65                            | 5200.73                           |
| SB22R              | 02/11/15 | 50.32  | ND                 | 0.00                  | 63.07         | 5250.65                            | 5200.33                           |
| SB22R              | 05/18/15 | 47.15  | ND                 | 0.00                  | 59.89         | 5247.58                            | 5200.43                           |
| SB22R              | 08/25/15 | 48.92  | ND                 | 0.00                  | 59.90         | 5247.58                            | 5198.66                           |
| SB22R              | 11/20/15 | 46.44  | ND                 | 0.00                  | 59.90         | 5248.58                            | 5202.14                           |
| SB22R              | 02/19/16 | 45.63  | ND                 | 0.00                  | 59.90         | 5248.58                            | 5202.95                           |
| SB22R              | 05/20/16 | 49.55  | ND                 | 0.00                  | 63.39         | 5251.08                            | 5201.53                           |
| SB22R              | 08/12/16 | 49.76  | ND                 | 0.00                  | 63.39         | 5251.08                            | 5201.32                           |
| SB22R              | 11/18/16 | 49.58  | ND                 | 0.00                  | 63.44         | 5251.08                            | 5201.50                           |
| SB22R              | 02/13/17 | 49.86  | ND                 | 0.00                  | 63.39         | 5251.08                            | 5201.22                           |
| SB23               | 02/21/14 | 48.75  | 48.70              | 0.05                  | 50.61         | 5249.95                            | 5201.24                           |
| SB23               | 05/16/14 | 48.83  | 48.75              | 0.08                  | 50.61         | 5249.95                            | 5201.18                           |
| SB23               | 08/27/14 | 49.06  | 48.64              | 0.42                  | 50.61         | 5249.95                            | 5201.21                           |
| SB23               | 11/18/14 | 49.16  | 48.62              | 0.54                  | 50.61         | 5249.95                            | 5201.20                           |
| SB23               | 02/11/15 | 49.65  | 48.81              | 0.84                  | 50.61         | 5249.95                            | 5200.93                           |
| SB23               | 05/18/15 | 45.92  | 45.35              | 0.57                  | 47.09         | 5246.61                            | 5201.12                           |
| SB23               | 08/25/15 | ND   | ND                 | 0.00                  | 43.30         | 5246.61                            | DRY                               |
| SB23               | 11/20/15 | ND   | ND                 | 0.00                  | 43.30         | 5247.61                            | DRY                               |
| SB23               | 02/19/16 | ND   | ND                 | 0.00                  | 43.30         | 5247.61                            | DRY                               |
| SB23               | 05/20/16 | ND   | ND                 | 0.00                  | 41.38         | 5249.88                            | DRY                               |
| SB23               | 08/12/16 | ND   | ND                 | 0.00                  | 41.37         | 5249.88                            | DRY                               |
| SB23               | 11/18/16 | ND   | ND                 | 0.00                  | 41.41         | 5249.88                            | DRY                               |
| SB23               | 02/13/17 | ND   | ND                 | 0.00                  | 41.38         | 5249.88                            | DRY                               |
| SB24               | 02/21/14 | 48.47  | ND                 | 0.00                  | 49.82         | 5249.46                            | 5200.99                           |
| SB24               | 05/16/14 | 48.35  | ND                 | 0.00                  | 49.82         | 5249.46                            | 5201.11                           |
| SB24               | 08/27/14 | 48.43  | ND                 | 0.00                  | 49.82         | 5249.46                            | 5201.03                           |
| SB24               | 11/18/14 | 48.33  | ND                 | 0.00                  | 49.82         | 5249.46                            | 5201.13                           |
| SB24               | 02/11/15 | 48.61  | ND                 | 0.00                  | 49.82         | 5249.46                            | 5200.85                           |
| SB24               | 05/18/15 | 48.66  | ND                 | 0.00                  | 49.82         | 5249.46                            | 5200.80                           |
| SB24               | 08/25/15 | Removed From Monitoring Plan - Plugged and Abandoned |                    |                       |               |                                    |                                   |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC)                                       | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|--|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB24R              | 02/21/14 | 49.08  | ND             | 0.00                  | 62.22         | 5250.04                            | 5200.96                           |
| SB24R              | 05/16/14 | 48.86  | ND             | 0.00                  | 62.22         | 5250.04                            | 5201.18                           |
| SB24R              | 08/27/14 | 48.96  | ND             | 0.00                  | 62.22         | 5250.04                            | 5201.08                           |
| SB24R              | 11/18/14 | 48.85  | ND             | 0.00                  | 62.22         | 5250.04                            | 5201.19                           |
| SB24R              | 02/11/15 | 49.20  | ND             | 0.00                  | 62.22         | 5250.04                            | 5200.84                           |
| SB24R              | 05/18/15 | 46.90  | ND             | 0.00                  | 59.83         | 5247.80                            | 5200.90                           |
| SB24R              | 08/25/15 | 46.78  | ND             | 0.00                  | 59.84         | 5247.80                            | 5201.02                           |
| SB24R              | 11/20/15 | 46.52  | ND             | 0.00                  | 59.84         | 5248.80                            | 5202.28                           |
| SB24R              | 02/19/16 | 46.38  | ND             | 0.00                  | 59.84         | 5248.80                            | 5202.42                           |
| SB24R              | 05/20/16 | 46.19  | ND             | 0.00                  | 59.84         | 5248.80                            | 5202.61                           |
| SB24R              | 08/12/16 | 46.52  | ND             | 0.00                  | 59.85         | 5248.80                            | 5202.28                           |
| SB24R              | 11/18/16 | 46.51  | ND             | 0.00                  | 59.97         | 5248.80                            | 5202.29                           |
| SB24R              | 02/13/17 | 46.39  | ND             | 0.00                  | 59.83         | 5248.80                            | 5202.41                           |
| SB25               | 02/21/14 | 50.19  | ND             | 0.00                  | 50.41         | 5249.20                            | DRY                               |
| SB25               | 05/16/14 | 50.15  | ND             | 0.00                  | 50.41         | 5249.20                            | DRY                               |
| SB25               | 08/27/14 | 50.20  | ND             | 0.00                  | 50.41         | 5249.20                            | DRY                               |
| SB25               | 11/18/14 | 50.22  | ND             | 0.00                  | 50.41         | 5249.20                            | DRY                               |
| SB25               | 02/11/15 | 50.22  | ND             | 0.00                  | 50.41         | 5249.20                            | DRY                               |
| SB25               | 05/18/15 | 50.20  | ND             | 0.00                  | 50.41         | 5249.20                            | DRY                               |
| SB25               | 08/25/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                       |               |                                    |                                   |
| SB25R              | 02/21/14 | 51.75  | ND             | 0.00                  | 67.30         | 5249.39                            | 5197.64                           |
| SB25R              | 05/16/14 | 51.55  | ND             | 0.00                  | 67.30         | 5249.39                            | 5197.84                           |
| SB25R              | 08/27/14 | 51.65  | ND             | 0.00                  | 67.30         | 5249.39                            | 5197.74                           |
| SB25R              | 11/18/14 | 51.58  | ND             | 0.00                  | 67.30         | 5249.39                            | 5197.81                           |
| SB25R              | 02/11/15 | 51.96  | ND             | 0.00                  | 67.30         | 5249.39                            | 5197.43                           |
| SB25R              | 05/18/15 | 49.60  | ND             | 0.00                  | 64.97         | 5247.15                            | 5197.55                           |
| SB25R              | 08/25/15 | 49.31  | ND             | 0.00                  | 65.00         | 5247.15                            | 5197.84                           |
| SB25R              | 11/20/15 | 48.98  | ND             | 0.00                  | 65.00         | 5248.15                            | 5199.17                           |
| SB25R              | 02/19/16 | 48.56  | ND             | 0.00                  | 65.00         | 5248.15                            | 5199.59                           |
| SB25R              | 05/20/16 | 48.54  | ND             | 0.00                  | 65.00         | 5248.15                            | 5199.61                           |
| SB25R              | 08/12/16 | 48.35  | ND             | 0.00                  | 65.00         | 5248.15                            | 5199.80                           |
| SB25R              | 11/18/16 | 47.96  | ND             | 0.00                  | 65.05         | 5248.15                            | 5200.19                           |
| SB25R              | 02/13/17 | 48.02  | ND             | 0.00                  | 64.99         | 5248.15                            | 5200.13                           |
| SB26               | 02/21/14 | 43.87  | ND             | 0.00                  | 50.35         | 5246.92                            | 5203.05                           |
| SB26               | 05/16/14 | 43.65  | ND             | 0.00                  | 50.35         | 5246.92                            | 5203.27                           |
| SB26               | 08/27/14 | 43.63  | ND             | 0.00                  | 50.35         | 5246.92                            | 5203.29                           |
| SB26               | 11/18/14 | 43.45  | ND             | 0.00                  | 50.35         | 5246.92                            | 5203.47                           |
| SB26               | 02/11/15 | 43.68  | ND             | 0.00                  | 50.35         | 5246.92                            | 5203.24                           |
| SB26               | 05/18/15 | 43.59  | ND             | 0.00                  | 50.35         | 5246.92                            | 5203.33                           |
| SB26               | 08/25/15 | 41.24  | ND             | 0.00                  | 48.38         | 5245.12                            | 5203.88                           |
| SB26               | 11/20/15 | 40.29  | ND             | 0.00                  | 48.38         | 5246.12                            | 5205.83                           |
| SB26               | 02/19/16 | 39.89  | ND             | 0.00                  | 48.38         | 5246.12                            | 5206.23                           |
| SB26               | 05/20/16 | 39.62  | ND             | 0.00                  | 48.38         | 5246.12                            | 5206.50                           |
| SB26               | 08/12/16 | 39.43  | ND             | 0.00                  | 48.36         | 5246.12                            | 5206.69                           |
| SB26               | 11/18/16 | 38.80  | ND             | 0.00                  | 48.45         | 5246.12                            | 5207.32                           |
| SB26               | 02/13/17 | 38.39  | ND             | 0.00                  | 48.28         | 5246.12                            | 5207.73                           |
| SB27               | 02/21/14 | 50.27  | ND             | 0.00                  | 50.52         | 5250.91                            | DRY                               |
| SB27               | 05/16/14 | 50.29  | ND             | 0.00                  | 50.52         | 5250.91                            | DRY                               |
| SB27               | 08/27/14 | 50.30  | ND             | 0.00                  | 50.52         | 5250.91                            | DRY                               |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC)                                       | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|--|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB27               | 11/18/14 | 50.30  | ND             | 0.00                  | 50.52         | 5250.91                            | DRY                               |
| SB27               | 02/11/15 | 50.31  | ND             | 0.00                  | 50.52         | 5250.91                            | DRY                               |
| SB27               | 05/18/15 | 50.29  | ND             | 0.00                  | 50.52         | 5250.91                            | DRY                               |
| SB27               | 08/25/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                       |               |                                    |                                   |
| SB27R              | 02/21/14 | 53.59  | ND             | 0.00                  | 67.51         | 5251.23                            | 5197.64                           |
| SB27R              | 05/16/14 | 53.36  | ND             | 0.00                  | 67.51         | 5251.23                            | 5197.87                           |
| SB27R              | 08/27/14 | 53.48  | ND             | 0.00                  | 67.51         | 5251.23                            | 5197.75                           |
| SB27R              | 11/18/14 | 53.39  | ND             | 0.00                  | 67.51         | 5251.23                            | 5197.84                           |
| SB27R              | 02/11/15 | 53.79  | ND             | 0.00                  | 67.51         | 5251.23                            | 5197.44                           |
| SB27R              | 05/18/15 | 51.35  | ND             | 0.00                  | 65.11         | 5248.92                            | 5197.57                           |
| SB27R              | 08/25/15 | 51.22  | ND             | 0.00                  | 65.13         | 5248.92                            | 5197.70                           |
| SB27R              | 11/20/15 | 50.98  | ND             | 0.00                  | 65.13         | 5249.92                            | 5198.94                           |
| SB27R              | 02/19/16 | 50.83  | ND             | 0.00                  | 65.13         | 5249.92                            | 5199.09                           |
| SB27R              | 05/20/16 | 50.62  | ND             | 0.00                  | 65.13         | 5249.92                            | 5199.30                           |
| SB27R              | 08/12/16 | 50.84  | ND             | 0.00                  | 65.00         | 5249.92                            | 5199.08                           |
| SB27R              | 11/18/16 | 50.82  | ND             | 0.00                  | 65.14         | 5249.92                            | 5199.10                           |
| SB27R              | 02/13/17 | 50.52  | ND             | 0.00                  | 64.99         | 5249.92                            | 5199.40                           |
| SB28               | 02/21/14 | 50.34  | ND             | 0.00                  | 50.56         | 5251.71                            | DRY                               |
| SB28               | 05/16/14 | 50.35  | ND             | 0.00                  | 50.56         | 5251.71                            | DRY                               |
| SB28               | 08/27/14 | 50.36  | ND             | 0.00                  | 50.56         | 5251.71                            | DRY                               |
| SB28               | 11/18/14 | 50.36  | ND             | 0.00                  | 50.56         | 5251.71                            | DRY                               |
| SB28               | 02/11/15 | 50.36  | ND             | 0.00                  | 50.56         | 5251.71                            | DRY                               |
| SB28               | 05/18/15 | 50.34  | ND             | 0.00                  | 50.56         | 5251.71                            | DRY                               |
| SB28               | 08/25/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                       |               |                                    |                                   |
| SB28R              | 02/21/14 | 50.98  | ND             | 0.00                  | 63.10         | 5251.40                            | 5200.42                           |
| SB28R              | 05/16/14 | 50.84  | ND             | 0.00                  | 63.10         | 5251.40                            | 5200.56                           |
| SB28R              | 08/27/14 | 50.95  | ND             | 0.00                  | 63.10         | 5251.40                            | 5200.45                           |
| SB28R              | 11/18/14 | 50.88  | ND             | 0.00                  | 63.10         | 5251.40                            | 5200.52                           |
| SB28R              | 02/11/15 | 51.14  | ND             | 0.00                  | 63.10         | 5251.40                            | 5200.26                           |
| SB28R              | 05/18/15 | 48.72  | ND             | 0.00                  | 60.67         | 5249.05                            | 5200.33                           |
| SB28R              | 08/25/15 | 48.74  | ND             | 0.00                  | 60.68         | 5249.05                            | 5200.31                           |
| SB28R              | 11/20/15 | 48.45  | ND             | 0.00                  | 60.68         | 5250.05                            | 5201.60                           |
| SB28R              | 02/19/16 | 48.31  | ND             | 0.00                  | 60.68         | 5250.05                            | 5201.74                           |
| SB28R              | 05/20/16 | 48.15  | ND             | 0.00                  | 60.68         | 5250.05                            | 5201.90                           |
| SB28R              | 08/12/16 | 48.44  | ND             | 0.00                  | 60.68         | 5250.05                            | 5201.61                           |
| SB28R              | 11/18/16 | ND   | ND             | 0.00                  | 25.22         | 5250.05                            | DRY                               |
| SB28R              | 02/13/17 | 48.36  | ND             | 0.00                  | 60.66         | 5250.05                            | 5201.69                           |
| SB29               | 02/21/14 | 45.24  | ND             | 0.00                  | 60.46         | 5248.09                            | 5202.85                           |
| SB29               | 05/16/14 | 45.10  | ND             | 0.00                  | 60.46         | 5248.09                            | 5202.99                           |
| SB29               | 08/27/14 | 45.02  | ND             | 0.00                  | 60.46         | 5248.09                            | 5203.07                           |
| SB29               | 11/18/14 | 44.89  | ND             | 0.00                  | 60.46         | 5248.09                            | 5203.20                           |
| SB29               | 02/11/15 | 45.09  | ND             | 0.00                  | 60.46         | 5248.09                            | 5203.00                           |
| SB29               | 05/18/15 | 42.69  | ND             | 0.00                  | 58.05         | 5245.86                            | 5203.17                           |
| SB29               | 08/25/15 | 42.40  | ND             | 0.00                  | 57.79         | 5245.86                            | 5203.46                           |
| SB29               | 11/20/15 | 41.67  | ND             | 0.00                  | 57.79         | 5246.86                            | 5205.19                           |
| SB29               | 02/19/16 | 41.16  | ND             | 0.00                  | 57.79         | 5246.86                            | 5205.70                           |
| SB29               | 05/20/16 | 40.92  | ND             | 0.00                  | 57.79         | 5246.86                            | 5205.94                           |
| SB29               | 08/12/16 | 41.00  | ND             | 0.00                  | 57.54         | 5246.86                            | 5205.86                           |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB29               | 11/18/16 | 40.59          | ND             | 0.00                  | 57.69         | 5246.86                            | 5206.27                           |
| SB29               | 02/13/17 | 40.28          | ND             | 0.00                  | 57.63         | 5246.86                            | 5206.58                           |
| SB30               | 02/21/14 | 47.77          | 44.80          | 2.97                  | 61.00         | 5246.27                            | 5200.73                           |
| SB30               | 05/16/14 | 47.19          | 44.70          | 2.49                  | 61.00         | 5246.27                            | 5200.95                           |
| SB30               | 08/27/14 | 46.24          | 44.82          | 1.42                  | 61.00         | 5246.27                            | 5201.10                           |
| SB30               | 11/18/14 | 46.02          | 45.79          | 0.23                  | 61.00         | 5246.27                            | 5200.43                           |
| SB30               | 02/11/15 | 47.22          | 45.82          | 1.40                  | 61.00         | 5246.27                            | 5200.10                           |
| SB30               | 05/18/15 | 47.58          | 45.28          | 2.30                  | 61.00         | 5246.27                            | 5200.42                           |
| SB30               | 08/25/15 | 48.56          | 40.95          | 7.61                  | 59.65         | 5245.33                            | 5202.48                           |
| SB30               | 11/20/15 | 48.14          | 40.07          | 8.07                  | 59.65         | 5246.33                            | 5204.24                           |
| SB30               | 02/19/16 | 39.60          | 39.59          | 0.01                  | 59.65         | 5246.33                            | 5206.74                           |
| SB30               | 05/20/16 | 52.25          | 44.05          | 8.20                  | 63.68         | 5249.32                            | 5203.22                           |
| SB30               | 08/12/16 | 52.21          | 44.35          | 7.86                  | 63.66         | 5249.32                            | 5203.01                           |
| SB30               | 11/18/16 | 51.74          | 44.42          | 7.32                  | NM            | 5249.32                            | 5203.07                           |
| SB30               | 02/13/17 | 51.19          | 44.70          | 6.49                  | NM            | 5249.32                            | 5203.00                           |
| SB31               | 02/21/14 | 50.11          | 48.01          | 2.10                  | 64.30         | 5249.60                            | 5201.06                           |
| SB31               | 05/16/14 | 51.47          | 48.07          | 3.40                  | 64.30         | 5249.60                            | 5200.68                           |
| SB31               | 08/27/14 | 49.65          | 47.72          | 1.93                  | 64.30         | 5249.60                            | 5201.40                           |
| SB31               | 11/18/14 | 50.76          | 50.36          | 0.40                  | 64.30         | 5249.60                            | 5199.14                           |
| SB31               | 02/11/15 | 49.88          | 48.94          | 0.94                  | 64.30         | 5249.60                            | 5200.42                           |
| SB31               | 05/18/15 | 50.22          | 48.44          | 1.78                  | 64.30         | 5249.60                            | 5200.71                           |
| SB31               | 08/25/15 | 49.39          | 42.84          | 6.55                  | 59.26         | 5245.93                            | 5201.45                           |
| SB31               | 11/20/15 | 49.95          | 41.61          | 8.34                  | 59.26         | 5246.93                            | 5203.24                           |
| SB31               | 02/19/16 | 41.09          | 40.96          | 0.13                  | 59.26         | 5246.93                            | 5205.94                           |
| SB31               | 05/20/16 | 54.20          | 45.00          | 9.20                  | 63.13         | 5249.81                            | 5202.51                           |
| SB31               | 08/12/16 | 53.61          | 45.16          | 8.45                  | 63.10         | 5249.81                            | 5202.54                           |
| SB31               | 11/18/16 | 53.22          | 45.13          | 8.09                  | NM            | 5249.81                            | 5202.66                           |
| SB31               | 02/13/17 | 53.89          | 45.36          | 8.53                  | NM            | 5249.81                            | 5202.32                           |
| SB32               | 02/21/14 | 48.27          | ND             | 0.00                  | 62.39         | 5249.31                            | 5201.04                           |
| SB32               | 05/16/14 | 48.18          | ND             | 0.00                  | 62.39         | 5249.31                            | 5201.13                           |
| SB32               | 08/27/14 | 48.19          | ND             | 0.00                  | 62.39         | 5249.31                            | 5201.12                           |
| SB32               | 11/18/14 | 48.38          | ND             | 0.00                  | 62.39         | 5249.31                            | 5200.93                           |
| SB32               | 02/11/15 | 48.83          | ND             | 0.00                  | 62.39         | 5249.31                            | 5200.48                           |
| SB32               | 05/18/15 | 45.90          | ND             | 0.00                  | 59.62         | 5246.64                            | 5200.74                           |
| SB32               | 08/25/15 | ND             | ND             | 0.00                  | 41.08         | 5246.64                            | DRY                               |
| SB32               | 11/20/15 | ND             | ND             | 0.00                  | 41.08         | 5247.64                            | DRY                               |
| SB32               | 02/19/16 | ND             | ND             | 0.00                  | 41.08         | 5247.64                            | DRY                               |
| SB32               | 05/20/16 | ND             | ND             | 0.00                  | 42.05         | 5250.72                            | DRY                               |
| SB32               | 08/12/16 | ND             | ND             | 0.00                  | 42.06         | 5250.72                            | DRY                               |
| SB32               | 11/18/16 | ND             | ND             | 0.00                  | 42.14         | 5250.72                            | DRY                               |
| SB32               | 02/13/17 | ND             | ND             | 0.00                  | 42.06         | 5250.72                            | DRY                               |
| SB33               | 02/21/14 | 62.26          | ND             | 0.00                  | 62.55         | 5246.16                            | DRY                               |
| SB33               | 05/16/14 | 62.02          | ND             | 0.00                  | 62.55         | 5246.16                            | 5184.14                           |
| SB33               | 08/27/14 | 59.51          | ND             | 0.00                  | 62.55         | 5246.16                            | 5186.65                           |
| SB33               | 11/18/14 | 57.49          | ND             | 0.00                  | 62.55         | 5246.16                            | 5188.67                           |
| SB33               | 02/11/15 | 55.64          | ND             | 0.00                  | 62.55         | 5246.16                            | 5190.52                           |
| SB33               | 05/18/15 | 53.86          | ND             | 0.00                  | 60.39         | 5246.16                            | 5192.30                           |
| SB33               | 08/25/15 | 50.35          | ND             | 0.00                  | 60.69         | 5244.21                            | 5193.86                           |
| SB33               | 11/20/15 | 49.16          | ND             | 0.00                  | 60.69         | 5245.21                            | 5196.05                           |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB33               | 02/19/16 | 47.69          | ND             | 0.00                  | 60.69         | 5245.21                            | 5197.52                           |
| SB33               | 05/20/16 | 46.33          | ND             | 0.00                  | 60.69         | 5245.21                            | 5198.88                           |
| SB33               | 08/12/16 | 44.47          | ND             | 0.00                  | 60.60         | 5245.21                            | 5200.74                           |
| SB33               | 11/18/16 | 41.65          | ND             | 0.00                  | 60.67         | 5245.21                            | 5203.56                           |
| SB33               | 02/13/17 | 39.69          | ND             | 0.00                  | 60.60         | 5245.21                            | 5205.52                           |
| SB34               | 02/21/14 | 54.88          | ND             | 0.00                  | 62.80         | 5252.59                            | 5197.71                           |
| SB34               | 05/16/14 | 54.72          | ND             | 0.00                  | 62.80         | 5252.59                            | 5197.87                           |
| SB34               | 08/27/14 | 54.78          | ND             | 0.00                  | 62.80         | 5252.59                            | 5197.81                           |
| SB34               | 11/18/14 | 54.65          | ND             | 0.00                  | 62.80         | 5252.59                            | 5197.94                           |
| SB34               | 02/11/15 | 55.04          | ND             | 0.00                  | 62.80         | 5252.59                            | 5197.55                           |
| SB34               | 05/18/15 | 52.58          | ND             | 0.00                  | 60.36         | 5250.19                            | 5197.61                           |
| SB34               | 08/25/15 | 52.47          | ND             | 0.00                  | 60.40         | 5250.19                            | 5197.72                           |
| SB34               | 11/20/15 | 52.19          | ND             | 0.00                  | 60.40         | 5251.19                            | 5199.00                           |
| SB34               | 02/19/16 | 52.13          | ND             | 0.00                  | 60.40         | 5251.19                            | 5199.06                           |
| SB34               | 05/20/16 | 51.95          | ND             | 0.00                  | 60.40         | 5251.19                            | 5199.24                           |
| SB34               | 08/12/16 | 52.22          | ND             | 0.00                  | 60.38         | 5251.19                            | 5198.97                           |
| SB34               | 11/18/16 | 52.17          | ND             | 0.00                  | 60.45         | 5251.19                            | 5199.02                           |
| SB34               | 02/13/17 | 52.02          | ND             | 0.00                  | 60.38         | 5251.19                            | 5199.17                           |
| SB35               | 02/21/14 | 53.18          | ND             | 0.00                  | 63.40         | 5250.71                            | 5197.53                           |
| SB35               | 05/16/14 | 52.97          | ND             | 0.00                  | 63.40         | 5250.71                            | 5197.74                           |
| SB35               | 08/27/14 | 53.02          | ND             | 0.00                  | 63.40         | 5250.71                            | 5197.69                           |
| SB35               | 11/18/14 | 52.93          | ND             | 0.00                  | 63.40         | 5250.71                            | 5197.78                           |
| SB35               | 02/11/15 | 53.35          | ND             | 0.00                  | 63.40         | 5250.71                            | 5197.36                           |
| SB35               | 05/18/15 | 50.25          | ND             | 0.00                  | 60.34         | 5247.79                            | 5197.54                           |
| SB35               | 08/25/15 | 49.92          | ND             | 0.00                  | 63.40         | 5247.79                            | 5197.87                           |
| SB35               | 11/20/15 | 49.67          | ND             | 0.00                  | 63.40         | 5248.79                            | 5199.12                           |
| SB35               | 02/19/16 | 49.45          | ND             | 0.00                  | 63.40         | 5248.79                            | 5199.34                           |
| SB35               | 05/20/16 | 49.22          | ND             | 0.00                  | 63.40         | 5248.79                            | 5199.57                           |
| SB35               | 08/12/16 | 49.22          | ND             | 0.00                  | 60.32         | 5248.79                            | 5199.57                           |
| SB35               | 11/18/16 | 49.10          | ND             | 0.00                  | 60.35         | 5248.79                            | 5199.69                           |
| SB35               | 02/13/17 | 48.87          | ND             | 0.00                  | 60.34         | 5248.79                            | 5199.92                           |
| SB36               | 02/21/14 | 42.65          | ND             | 0.00                  | 63.05         | 5243.07                            | 5200.42                           |
| SB36               | 05/16/14 | 42.40          | ND             | 0.00                  | 63.05         | 5243.07                            | 5200.67                           |
| SB36               | 08/27/14 | 41.97          | ND             | 0.00                  | 63.05         | 5243.07                            | 5201.10                           |
| SB36               | 11/18/14 | 41.76          | ND             | 0.00                  | 63.05         | 5243.07                            | 5201.31                           |
| SB36               | 02/11/15 | 41.71          | ND             | 0.00                  | 63.05         | 5243.07                            | 5201.36                           |
| SB36               | 05/18/15 | 41.45          | ND             | 0.00                  | 63.05         | 5243.07                            | 5201.62                           |
| SB36               | 08/25/15 | 34.09          | ND             | 0.00                  | 59.72         | 5239.97                            | 5205.88                           |
| SB36               | 11/20/15 | 32.82          | ND             | 0.00                  | 59.72         | 5240.97                            | 5208.15                           |
| SB36               | 02/19/16 | 32.76          | ND             | 0.00                  | 59.75         | 5240.97                            | 5208.21                           |
| SB36               | 05/20/16 | 31.31          | ND             | 0.00                  | 59.75         | 5240.97                            | 5209.66                           |
| SB36               | 08/12/16 | 30.21          | ND             | 0.00                  | 59.78         | 5240.97                            | 5210.76                           |
| SB36               | 11/18/16 | 29.05          | ND             | 0.00                  | 59.89         | 5240.97                            | 5211.92                           |
| SB36               | 02/13/17 | 28.62          | ND             | 0.00                  | 59.68         | 5240.97                            | 5212.35                           |
| SB37               | 02/21/14 | 63.00          | ND             | 0.00                  | 66.40         | 5249.25                            | 5186.25                           |
| SB37               | 05/16/14 | 51.38          | ND             | 0.00                  | 66.40         | 5249.25                            | 5197.87                           |
| SB37               | 08/27/14 | 48.05          | ND             | 0.00                  | 66.40         | 5249.25                            | 5201.20                           |
| SB37               | 11/18/14 | 48.09          | ND             | 0.00                  | 66.40         | 5249.25                            | 5201.16                           |
| SB37               | 02/11/15 | 48.36          | ND             | 0.00                  | 66.40         | 5249.25                            | 5200.89                           |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| <b>Monitoring Well ID</b> | <b>Date</b> | <b>DTW (ft. BTOC)</b> | <b>DTP (ft. BTOC)</b> | <b>LNAPL Thickness (ft.)</b> | <b>TD (ft. BTOC)</b> | <b>Top of Casing Elevation (ft. AMSL)</b> | <b>Groundwater Elevation* (ft. AMSL)</b> |
|---------------------------|-------------|-----------------------|-----------------------|------------------------------|----------------------|---|--|
| SB37                      | 05/18/15    | 48.20                 | ND                    | 0.00                         | 66.40                | 5249.25                                   | 5201.05                                  |
| SB37                      | 08/25/15    | 46.33                 | ND                    | 0.00                         | 64.81                | 5246.31                                   | 5199.98                                  |
| SB37                      | 11/20/15    | 45.58                 | ND                    | 0.00                         | 64.81                | 5247.31                                   | 5201.73                                  |
| SB37                      | 02/19/16    | 45.44                 | ND                    | 0.00                         | 64.81                | 5247.31                                   | 5201.87                                  |
| SB37                      | 05/20/16    | 47.92                 | 47.85                 | 0.07                         | 66.81                | 5249.79                                   | 5201.93                                  |
| SB37                      | 08/12/16    | 47.81                 | 47.72                 | 0.09                         | 66.84                | 5249.79                                   | 5202.05                                  |
| SB37                      | 11/18/16    | 47.65                 | 47.43                 | 0.22                         | NM                   | 5249.79                                   | 5202.31                                  |
| SB37                      | 02/13/17    | 48.35                 | 47.90                 | 0.45                         | NM                   | 5249.79                                   | 5201.78                                  |
| SB38                      | 02/21/14    | 40.48                 | ND                    | 0.00                         | 63.58                | 5243.61                                   | 5203.13                                  |
| SB38                      | 05/16/14    | 40.16                 | ND                    | 0.00                         | 63.58                | 5243.61                                   | 5203.45                                  |
| SB38                      | 08/27/14    | 40.32                 | ND                    | 0.00                         | 63.58                | 5243.61                                   | 5203.29                                  |
| SB38                      | 11/18/14    | 40.08                 | ND                    | 0.00                         | 63.58                | 5243.61                                   | 5203.53                                  |
| SB38                      | 02/11/15    | 40.35                 | ND                    | 0.00                         | 63.58                | 5243.61                                   | 5203.26                                  |
| SB38                      | 05/18/15    | 40.31                 | ND                    | 0.00                         | 63.58                | 5243.61                                   | 5203.30                                  |
| SB38                      | 08/25/15    | 35.63                 | ND                    | 0.00                         | 60.51                | 5240.73                                   | 5205.10                                  |
| SB38                      | 11/20/15    | 34.68                 | ND                    | 0.00                         | 60.51                | 5241.73                                   | 5207.05                                  |
| SB38                      | 02/19/16    | 34.39                 | ND                    | 0.00                         | 60.42                | 5241.73                                   | 5207.34                                  |
| SB38                      | 05/20/16    | 33.19                 | ND                    | 0.00                         | 60.42                | 5241.73                                   | 5208.54                                  |
| SB38                      | 08/12/16    | 31.54                 | ND                    | 0.00                         | 60.34                | 5241.73                                   | 5210.19                                  |
| SB38                      | 11/18/16    | 30.69                 | ND                    | 0.00                         | 60.61                | 5241.73                                   | 5211.04                                  |
| SB38                      | 02/13/17    | 29.97                 | ND                    | 0.00                         | 60.28                | 5241.73                                   | 5211.76                                  |
| SB39                      | 02/21/14    | 50.54                 | ND                    | 0.00                         | 61.57                | 5241.88                                   | 5191.34                                  |
| SB39                      | 05/16/14    | 45.38                 | ND                    | 0.00                         | 61.57                | 5241.88                                   | 5196.50                                  |
| SB39                      | 08/27/14    | 44.19                 | ND                    | 0.00                         | 61.57                | 5241.88                                   | 5197.69                                  |
| SB39                      | 11/18/14    | 43.98                 | ND                    | 0.00                         | 61.57                | 5241.88                                   | 5197.90                                  |
| SB39                      | 02/11/15    | 44.01                 | ND                    | 0.00                         | 61.57                | 5241.88                                   | 5197.87                                  |
| SB39                      | 05/18/15    | 43.74                 | ND                    | 0.00                         | 61.57                | 5241.88                                   | 5198.14                                  |
| SB39                      | 08/25/15    | 36.44                 | ND                    | 0.00                         | 59.14                | 5239.65                                   | 5203.21                                  |
| SB39                      | 11/20/15    | 36.68                 | ND                    | 0.00                         | 59.14                | 5240.65                                   | 5203.97                                  |
| SB39                      | 02/19/16    | 36.05                 | ND                    | 0.00                         | 59.11                | 5240.65                                   | 5204.60                                  |
| SB39                      | 05/20/16    | 31.67                 | ND                    | 0.00                         | 59.11                | 5240.65                                   | 5208.98                                  |
| SB39                      | 08/12/16    | 30.51                 | ND                    | 0.00                         | 59.12                | 5240.65                                   | 5210.14                                  |
| SB39                      | 11/18/16    | 29.46                 | ND                    | 0.00                         | 59.15                | 5240.65                                   | 5211.19                                  |
| SB39                      | 02/13/17    | 28.66                 | ND                    | 0.00                         | 59.04                | 5240.65                                   | 5211.99                                  |
| SB40                      | 02/21/14    | 54.94                 | ND                    | 0.00                         | 62.83                | 5240.63                                   | 5185.69                                  |
| SB40                      | 05/16/14    | 45.58                 | ND                    | 0.00                         | 62.83                | 5240.63                                   | 5195.05                                  |
| SB40                      | 08/27/14    | 40.55                 | ND                    | 0.00                         | 62.83                | 5240.63                                   | 5200.08                                  |
| SB40                      | 11/18/14    | 40.14                 | ND                    | 0.00                         | 62.83                | 5240.63                                   | 5200.49                                  |
| SB40                      | 02/11/15    | 39.79                 | ND                    | 0.00                         | 62.83                | 5240.63                                   | 5200.84                                  |
| SB40                      | 05/18/15    | 38.77                 | ND                    | 0.00                         | 62.83                | 5240.63                                   | 5201.86                                  |
| SB40                      | 08/25/15    | 32.11                 | ND                    | 0.00                         | 59.71                | 5237.59                                   | 5205.48                                  |
| SB40                      | 11/20/15    | 30.30                 | ND                    | 0.00                         | 59.71                | 5238.59                                   | 5208.29                                  |
| SB40                      | 02/19/16    | 28.98                 | ND                    | 0.00                         | 59.04                | 5238.59                                   | 5209.61                                  |
| SB40                      | 05/20/16    | 27.41                 | ND                    | 0.00                         | 59.04                | 5238.59                                   | 5211.18                                  |
| SB40                      | 08/12/16    | 25.87                 | ND                    | 0.00                         | 58.95                | 5238.59                                   | 5212.72                                  |
| SB40                      | 11/18/16    | 25.24                 | ND                    | 0.00                         | 58.98                | 5238.59                                   | 5213.35                                  |
| SB40                      | 02/13/17    | 24.98                 | ND                    | 0.00                         | 58.82                | 5238.59                                   | 5213.61                                  |
| SB41                      | 02/21/14    | 39.90                 | ND                    | 0.00                         | 62.96                | 5242.91                                   | 5203.01                                  |
| SB41                      | 05/16/14    | 39.66                 | ND                    | 0.00                         | 62.96                | 5242.91                                   | 5203.25                                  |

**TABLE 2**  
**GROUNDWATER AND LNAPL ELEVATION DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | DTW (ft. BTOC) | DTP (ft. BTOC) | LNAPL Thickness (ft.) | TD (ft. BTOC) | Top of Casing Elevation (ft. AMSL) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|----------------|----------------|-----------------------|---------------|------------------------------------|-----------------------------------|
| SB41               | 08/27/14 | 39.75          | ND             | 0.00                  | 62.96         | 5242.91                            | 5203.16                           |
| SB41               | 11/18/14 | 39.59          | ND             | 0.00                  | 62.96         | 5242.91                            | 5203.32                           |
| SB41               | 02/11/15 | 39.79          | ND             | 0.00                  | 62.96         | 5242.91                            | 5203.12                           |
| SB41               | 05/18/15 | 39.77          | ND             | 0.00                  | 62.96         | 5242.91                            | 5203.14                           |
| SB41               | 08/25/15 | 35.69          | ND             | 0.00                  | 59.89         | 5239.96                            | 5204.27                           |
| SB41               | 11/20/15 | 34.89          | ND             | 0.00                  | 59.89         | 5240.96                            | 5206.07                           |
| SB41               | 02/19/16 | 34.51          | ND             | 0.00                  | 59.84         | 5240.96                            | 5206.45                           |
| SB41               | 05/20/16 | 33.31          | ND             | 0.00                  | 59.84         | 5240.96                            | 5207.65                           |
| SB41               | 08/12/16 | 31.29          | ND             | 0.00                  | 59.60         | 5240.96                            | 5209.67                           |
| SB41               | 11/18/16 | 30.45          | ND             | 0.00                  | 59.74         | 5240.96                            | 5210.51                           |
| SB41               | 02/13/17 | 29.82          | ND             | 0.00                  | 59.60         | 5240.96                            | 5211.14                           |
| SB42               | 02/21/14 | 41.20          | ND             | 0.00                  | 60.60         | 5244.36                            | 5203.16                           |
| SB42               | 05/16/14 | 40.68          | ND             | 0.00                  | 60.60         | 5244.36                            | 5203.68                           |
| SB42               | 08/27/14 | 40.80          | ND             | 0.00                  | 60.60         | 5244.36                            | 5203.56                           |
| SB42               | 11/18/14 | 40.57          | ND             | 0.00                  | 60.60         | 5244.36                            | 5203.79                           |
| SB42               | 02/11/15 | 40.78          | ND             | 0.00                  | 60.60         | 5244.36                            | 5203.58                           |
| SB42               | 05/18/15 | 40.74          | ND             | 0.00                  | 60.60         | 5244.36                            | 5203.62                           |
| SB42               | 08/25/15 | 38.61          | ND             | 0.00                  | 59.23         | 5243.19                            | 5204.58                           |
| SB42               | 11/20/15 | 37.53          | ND             | 0.00                  | 59.23         | 5244.19                            | 5206.66                           |
| SB42               | 02/19/16 | 37.18          | ND             | 0.00                  | 59.21         | 5244.19                            | 5207.01                           |
| SB42               | 05/20/16 | 36.85          | ND             | 0.00                  | 59.21         | 5244.19                            | 5207.34                           |
| SB42               | 08/12/16 | 36.35          | ND             | 0.00                  | 59.22         | 5244.19                            | 5207.84                           |
| SB42               | 11/18/16 | 35.59          | ND             | 0.00                  | 59.30         | 5244.19                            | 5208.60                           |
| SB42               | 02/13/17 | 35.15          | ND             | 0.00                  | 59.23         | 5244.19                            | 5209.04                           |

**Notes:**

DTW = Depth to water

DTP = Depth to LNAPL

ft. BTOC = Feet below top of well casing

ft. AMSL = Feet above mean sea level

TD = Total depth of well below top of well casing (based on the most recent measurement)

LNAPL = Light non-aqueous phase liquid

ND = Not detected

NM = Not measured

NR = Not recorded

DRY = Well contained less than 0.5 feet of water

\* Groundwater elevation was corrected for product thickness when present using the following calculation:

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness x LNAPL Relative Density)

LNAPL relative density was measured to be approximately 0.75

<sup>1</sup> LNAPL detected in groundwater sample collected on 02/22/16

<sup>2</sup> Well SB16R obstructed above oil/water interface, groundwater not encountered above obstruction

<sup>3</sup> LNAPL thickness is approximate, checked with bailer

This table presents data collected by Tasman Geosciences. Historical data is presented in Attachment A of the Form 27 Site Assessment Report (COGCC Document #2148980)



**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date                  | Temp (°C)  | EC (mS/cm) | pH   | ORP (mV) | DO (mg/L) |
|--------------------|-----------------------|--|------------|------|----------|-----------|
| PR01               | 03/07/14 <sup>1</sup> | 10.98  | 6.960      | 6.63 | -132.0   | 14.60     |
| PR01               | 05/19/14              | Removed From Monitoring Plan - LNAPL Recovery Well   |            |      |          |           |
| PR02               | 03/07/14 <sup>1</sup> | 10.09  | 5.560      | 6.71 | -72.9    | 11.56     |
| PR02               | 05/19/14              | Removed From Monitoring Plan - LNAPL Recovery Well   |            |      |          |           |
| PR03               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR04               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR05               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR06               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR07               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR08               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR09               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR10               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR11               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR12               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR13               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR14               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR15               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR16               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR17               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR18               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR19               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR20               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR21               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR22               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR23               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR24               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR25               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| PR26               | 11/21/14              | Not On Monitoring Plan - LNAPL Recovery Well         |            |      |          |           |
| SB01               | 02/24/14              | 12.41  | 5.240      | 7.16 | 92.2     | 0.56      |
| SB01               | 05/19/14              | Removed From Monitoring Plan - Submerged Well Screen |            |      |          |           |
| SB01               | 08/27/15              | Removed From Monitoring Plan - Plugged and Abandoned |            |      |          |           |
| SB02               | 02/24/14              | 12.52  | 3.222      | 7.25 | 47.1     | 0.25      |
| SB02               | 05/19/14              | Removed From Monitoring Plan - Submerged Well Screen |            |      |          |           |
| SB02               | 08/27/15              | Removed From Monitoring Plan - Plugged and Abandoned |            |      |          |           |
| SB03               | 02/24/14              | 12.55  | 1.941      | 7.44 | 70.0     | 0.21      |
| SB03               | 05/19/14              | 12.57  | 2.135      | 7.00 | 207.5    | 1.61      |
| SB03               | 08/29/14              | 12.41  | 2.004      | 7.39 | 126.0    | 0.03      |
| SB03               | 11/21/14              | 12.53  | 2.188      | 8.08 | -182.9   | 0.96      |
| SB03               | 02/13/15              | 12.34  | 1.881      | 7.30 | 27.6     | 0.60      |
| SB03               | 05/21/15              | 12.20  | 1.814      | 7.09 | 158.8    | 0.55      |
| SB03               | 08/27/15              | 12.61  | 2.068      | 7.28 | 12.0     | 0.20      |
| SB03               | 11/24/15              | 12.01  | 2.139      | 6.65 | -15.4    | 0.47      |
| SB03               | 02/22/16              | 12.22  | 2.363      | 7.68 | -49.4    | 0.23      |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date                  | Temp (°C) | EC (mS/cm)                   | pH   | ORP (mV) | DO (mg/L) |
|--------------------|-----------------------|-----------|------------------------------|------|----------|-----------|
| SB03               | 05/23/16              | 12.46     | 2.380                        | 7.06 | -36.4    | 0.28      |
| SB03               | 08/15/16              | 13.21     | 2.151                        | 7.33 | 100.1    | 0.22      |
| SB03               | 11/21/16              | 12.20     | 2.394                        | 7.31 | -1.8     | 0.93      |
| SB03               | 02/16/17              | 12.40     | 3.026                        | 7.34 | 112.6    | 0.50      |
| SB04               | 02/24/14              | 1.00      | 3.138                        | 7.29 | 71.3     | 0.16      |
| SB04               | 05/19/14              | 12.81     | 3.097                        | 7.08 | 224.5    | 0.45      |
| SB04               | 08/29/14              | 12.37     | 3.083                        | 7.65 | 155.6    | 0.16      |
| SB04               | 11/21/14              | 12.29     | 3.076                        | 7.60 | -7.6     | 0.47      |
| SB04               | 02/13/15              | 12.34     | 3.018                        | 7.34 | 50.5     | 0.99      |
| SB04               | 05/21/15              | 12.24     | 2.953                        | 7.06 | 120.8    | 0.36      |
| SB04               | 08/27/15              | 12.69     | 3.054                        | 7.84 | 52.7     | 0.13      |
| SB04               | 11/24/15              | 12.11     | 2.198                        | 6.77 | -64.4    | 0.27      |
| SB04               | 02/22/16              | 12.15     | 2.317                        | 7.31 | -120.9   | 0.23      |
| SB04               | 05/23/16              | 12.55     | 2.363                        | 6.56 | -166.8   | 1.07      |
| SB04               | 08/15/16              | 12.45     | 2.597                        | 7.33 | -58.5    | 0.81      |
| SB04               | 11/21/16              | 12.16     | 2.131                        | 7.20 | -112.0   | 0.25      |
| SB04               | 02/16/17              | 12.30     | 3.003                        | 7.40 | -76.4    | 0.60      |
| SB05               | 03/07/14 <sup>1</sup> | 11.20     | 6.192                        | 6.43 | -152.9   | 3.55      |
| SB05               | 05/19/14              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 08/29/14              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 11/21/14              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 02/13/15              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 05/21/15              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 08/27/15              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 11/24/15              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 02/22/16              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 05/23/16              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 08/15/16              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 11/21/16              |           | Not Measured - LNAPL Present |      |          |           |
| SB05               | 02/16/17              |           | Not Measured - LNAPL Present |      |          |           |
| SB06               | 02/24/14              | 12.57     | 3.446                        | 7.20 | 144.4    | 0.34      |
| SB06               | 05/19/14              | 12.74     | 3.933                        | 6.99 | 268.9    | 0.19      |
| SB06               | 08/29/14              | 12.54     | 3.952                        | 7.22 | 156.0    | 0.04      |
| SB06               | 11/21/14              | 12.46     | 3.767                        | 7.60 | 153.6    | 2.25      |
| SB06               | 02/13/15              | 12.48     | 3.879                        | 6.99 | 54.2     | 0.22      |
| SB06               | 05/21/15              | 12.52     | 3.765                        | 6.91 | 3.4      | 0.08      |
| SB06               | 08/27/15              | 12.51     | 5.039                        | 7.17 | 101.4    | 0.12      |
| SB06               | 11/24/15              | 12.19     | 5.367                        | 6.62 | 1.2      | 0.38      |
| SB06               | 02/22/16              | 12.31     | 5.379                        | 7.03 | -10.6    | 3.50      |
| SB06               | 05/23/16              | 12.47     | 5.721                        | 6.41 | 113.8    | 0.73      |
| SB06               | 08/15/16              | 12.98     | 5.983                        | 6.81 | 147.5    | 0.26      |
| SB06               | 11/21/16              | 12.22     | 5.782                        | 6.77 | 12.8     | 0.70      |
| SB06               | 02/16/17              | 12.40     | 5.896                        | 6.83 | 165.4    | 0.28      |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date                  | Temp (°C) | EC (mS/cm)                   | pH                 | ORP (mV) | DO (mg/L)          |
|--------------------|-----------------------|-----------|------------------------------|--------------------|----------|--------------------|
| SB07               | 02/24/14              | 12.85     | 5.639                        | 6.64               | -101.3   | 0.57               |
| SB07               | 05/19/14              | 13.19     | 5.564                        | 6.68               | -97.3    | 0.19               |
| SB07               | 08/29/14              | 12.99     | 5.318                        | 7.18               | -68.5    | 0.05               |
| SB07               | 11/21/14              | 12.88     | 5.280                        | 7.10               | -238.1   | 1.22               |
| SB07               | 02/13/15              | 12.71     | 5.083                        | 7.11               | -76.8    | 1.69               |
| SB07               | 05/21/15              | 12.85     | 5.033                        | 7.01               | -175.8   | 0.09               |
| SB07               | 08/27/15              | 12.92     | 4.059                        | 8.47               | -216.8   | 0.16               |
| SB07               | 11/24/15              | 12.70     | 2.305                        | 12.49 <sup>2</sup> | -248.3   | 0.19               |
| SB07               | 02/22/16              | 12.80     | 1.896                        | 6.99               | -264.9   | -0.40 <sup>3</sup> |
| SB07               | 05/23/16              | 13.25     | 2.450                        | 7.12               | -241.0   | -0.1 <sup>3</sup>  |
| SB07               | 08/15/16              | 13.64     | 2.511                        | 7.03               | -126.6   | 0.17               |
| SB07               | 11/21/16              | 12.74     | 3.010                        | 7.05               | -86.8    | 0.19               |
| SB07               | 02/16/17              | 12.90     | 3.980                        | 7.20               | -108.9   | 0.33               |
| SB08               | 03/07/14 <sup>1</sup> | 11.12     | 4.866                        | 6.29               | -170.9   | 3.95               |
| SB08               | 05/19/14              | 13.39     | 5.197                        | 6.80               | -153.5   | 0.33               |
| SB08               | 08/29/14              | 12.92     | 5.358                        | 6.68               | -74.4    | 0.34               |
| SB08               | 11/21/14              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB08               | 02/13/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB08               | 05/21/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB08               | 08/27/15              | 13.05     | 3.466                        | 8.00               | -187.6   | 0.07               |
| SB08               | 11/24/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB08               | 02/22/16              | 12.67     | 0.577                        | 6.85               | -197.4   | -0.34 <sup>3</sup> |
| SB08               | 05/23/16              | 13.23     | 1.630                        | 6.73               | -220.2   | 0.23               |
| SB08               | 08/15/16              | 12.84     | 1.574                        | 6.93               | -97.7    | 0.25               |
| SB08               | 11/21/16              | 12.69     | 2.008                        | 6.80               | -88.8    | 0.34               |
| SB08               | 02/16/17              | 12.90     | 4.557                        | 7.00               | -175.9   | 0.33               |
| SB09               | 03/07/14 <sup>1</sup> | 10.00     | 4.415                        | 6.64               | -123.5   | 8.81               |
| SB09               | 05/19/14              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 08/29/14              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 11/21/14              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 02/13/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 05/21/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 08/27/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 11/24/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 02/22/16              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 05/23/16              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 08/15/16              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 11/21/16              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB09               | 02/16/17              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB10               | 03/07/14 <sup>1</sup> | 11.48     | 8.344                        | 6.31               | -183.9   | 5.90               |
| SB10               | 05/19/14              | 13.26     | 9.942                        | 6.35               | -158.5   | 0.14               |
| SB10               | 08/29/14              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB10               | 11/21/14              | 12.85     | 11.050                       | 6.57               | -136.7   | 0.38               |
| SB10               | 02/13/15              | 12.91     | 11.395                       | 6.51               | -7.3     | 0.72               |
| SB10               | 05/21/15              |           | Not Measured - LNAPL Present |                    |          |                    |
| SB10               | 08/27/15              | 13.90     | 12.480                       | 7.85               | -134.40  | 0.28               |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C) | EC (mS/cm) | pH                 | ORP (mV) | DO (mg/L)          |
|--------------------|----------|-----------|------------|--------------------|----------|--------------------|
| SB10               | 11/24/15 | 12.79     | 13.700     | 11.82 <sup>2</sup> | -215.20  | 0.11               |
| SB10               | 02/22/16 | 12.80     | 1.982      | 6.77               | -249.90  | -0.70 <sup>3</sup> |
| SB10               | 05/23/16 | 13.33     | 5.112      | 6.56               | -192.50  | 0.16               |
| SB10               | 08/15/16 | 14.06     | 7.100      | 6.66               | -87.70   | 0.17               |
| SB10               | 11/21/16 | 12.84     | 8.444      | 6.47               | -100.8   | 0.29               |
| SB10               | 02/16/17 | 12.90     | 9.152      | 6.61               | -128.3   | 0.39               |
| SB11               | 02/24/14 | 12.60     | 2.218      | 7.38               | 20.2     | 0.49               |
| SB11               | 05/19/14 | 13.03     | 2.312      | 7.25               | 130.9    | 6.69               |
| SB11               | 08/29/14 | 12.65     | 2.423      | 7.49               | 118.1    | 0.10               |
| SB11               | 11/21/14 | 12.49     | 2.524      | 7.39               | -104.9   | 0.65               |
| SB11               | 02/13/15 | 12.54     | 2.548      | 7.23               | 28.2     | 0.30               |
| SB11               | 05/21/15 | 12.57     | 2.712      | 7.07               | -2.5     | 0.11               |
| SB11               | 08/27/15 | 12.55     | 2.787      | 8.21               | -117.6   | 0.11               |
| SB11               | 11/24/15 | 12.23     | 2.778      | 6.87               | -35.7    | 0.26               |
| SB11               | 02/22/16 | 12.37     | 2.840      | 7.25               | -79.9    | 0.40               |
| SB11               | 05/23/16 | 12.55     | 2.953      | 5.10 <sup>2</sup>  | 134.2    | 0.31               |
| SB11               | 08/15/16 | 12.64     | 2.953      | 7.09               | 51.2     | 0.26               |
| SB11               | 11/21/16 | 12.27     | 2.852      | 7.02               | -11.6    | 0.92               |
| SB11               | 02/16/17 | 12.40     | 2.838      | 7.16               | -77.3    | 0.40               |
| SB12               | 02/24/14 | 12.86     | 5.748      | 7.17               | 70.2     | 2.79               |
| SB12               | 05/19/14 | 12.68     | 5.941      | 7.31               | 137.2    | 0.20               |
| SB12               | 08/29/14 | 12.46     | 5.920      | 7.46               | 159.6    | 0.17               |
| SB12               | 11/21/14 | 12.41     | 5.969      | 7.75               | 177.3    | 1.22               |
| SB12               | 02/13/15 | 12.33     | 5.842      | 7.35               | 53.5     | 0.33               |
| SB12               | 05/21/15 | 12.35     | 5.566      | 7.13               | 17.6     | 0.39               |
| SB12               | 08/27/15 | 12.47     | 5.864      | 7.52               | 87.4     | 0.33               |
| SB12               | 11/24/15 | 11.96     | 5.667      | 6.74               | 44.1     | 0.56               |
| SB12               | 02/22/16 | 12.14     | 5.649      | 7.52               | 16.5     | 0.34               |
| SB12               | 05/23/16 | 12.35     | 5.561      | 7.15               | 87.9     | 4.5                |
| SB12               | 08/15/16 | 12.63     | 5.643      | 7.36               | 167.5    | 0.19               |
| SB12               | 11/21/16 | 12.09     | 5.682      | 7.40               | -11.0    | 0.09               |
| SB12               | 02/16/17 | 12.20     | 5.709      | 7.49               | 166.7    | 0.60               |
| SB13               | 02/24/14 | 12.72     | 3.556      | 7.98               | 23.5     | 0.16               |
| SB13               | 05/19/14 | 13.75     | 4.699      | 7.52               | 202.2    | 0.14               |
| SB13               | 08/29/14 | 12.89     | 4.605      | 7.58               | 154.6    | 0.10               |
| SB13               | 11/21/14 | 12.75     | 4.651      | 7.83               | 164.4    | 1.37               |
| SB13               | 02/13/15 | 12.65     | 4.861      | 7.35               | 42.9     | 0.41               |
| SB13               | 05/21/15 | 12.72     | 4.708      | 7.10               | -10.9    | 0.10               |
| SB13               | 08/27/15 | 12.70     | 4.958      | 7.54               | 44.1     | 0.07               |
| SB13               | 11/24/15 | 12.41     | 5.028      | 6.54               | 59.7     | 0.45               |
| SB13               | 02/22/16 | 12.59     | 4.902      | 7.15               | -29.5    | 0.25               |
| SB13               | 05/23/16 | 13.14     | 5.040      | 7.10               | -154.3   | 0.14               |
| SB13               | 08/15/16 | 13.90     | 4.547      | 6.87               | 76.5     | 0.39               |
| SB13               | 11/21/16 | 12.49     | 4.885      | 6.85               | -9.5     | 0.42               |
| SB13               | 02/16/17 | 12.60     | 5.213      | 7.30               | -30.4    | 0.64               |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date                  | Temp (°C)  | EC (mS/cm) | pH                 | ORP (mV) | DO (mg/L) |
|--------------------|-----------------------|--|------------|--------------------|----------|-----------|
| SB14               | 02/24/14              | 12.91  | 2.000      | 7.29               | 63.6     | 0.15      |
| SB14               | 05/19/14              | 12.99  | 2.071      | 6.96               | 62.0     | 0.13      |
| SB14               | 08/29/14              | 12.87  | 2.051      | 7.17               | 5.2      | 0.22      |
| SB14               | 11/21/14              | 12.72  | 2.063      | 7.48               | -122.5   | 0.51      |
| SB14               | 02/13/15              | 12.77  | 1.977      | 7.10               | -52.0    | 0.50      |
| SB14               | 05/21/15              | 12.83  | 1.979      | 7.01               | -122.2   | 0.18      |
| SB14               | 08/27/15              | 12.78  | 2.079      | 8.30               | -148.2   | 0.08      |
| SB14               | 11/24/15              | 12.65  | 1.896      | 10.77 <sup>2</sup> | -125.3   | 0.51      |
| SB14               | 02/22/16              | 12.66  | 1.890      | 7.25               | -234.1   | 0.33      |
| SB14               | 05/23/16              | 13.15  | 1.985      | 6.95               | -228.7   | 0.05      |
| SB14               | 08/15/16              | 13.88  | 2.674      | 7.09               | -83.5    | 0.20      |
| SB14               | 11/21/16              | 12.61  | 2.154      | 6.87               | -56.4    | 1.91      |
| SB14               | 02/16/17              | 12.70  | 2.245      | 7.00               | -81.4    | 0.60      |
| SB15               | 02/24/14              | 12.50  | 3.080      | 6.97               | -204.4   | 0.33      |
| SB15               | 05/19/14              | 13.42  | 2.698      | 6.67               | -46.9    | 0.60      |
| SB15               | 08/29/14              | 12.91  | 2.588      | 6.92               | 17.6     | 0.57      |
| SB15               | 11/21/14              | 12.55  | 2.404      | 6.97               | -156.4   | 0.81      |
| SB15               | 02/13/15              | 12.13  | 2.526      | 6.97               | -47.2    | 1.12      |
| SB15               | 05/21/15              | 12.74  | 1.857      | 6.98               | -124.0   | 0.13      |
| SB15               | 08/27/15              | 13.06  | 0.025      | 7.56               | -62.2    | 9.29      |
| SB15               | 11/24/15              | 12.55  | 1.124      | 10.12 <sup>2</sup> | -88.3    | 0.29      |
| SB15               | 02/22/16              | 12.52  | 1.089      | 7.54               | -79.5    | 0.20      |
| SB15               | 05/23/16              | 12.87  | 2.028      | 6.83               | -178.8   | 0.12      |
| SB15               | 08/15/16              | 13.03  | 2.481      | 6.88               | -8.6     | 0.20      |
| SB15               | 11/21/16              | 12.61  | 2.891      | 6.79               | -30.2    | 0.22      |
| SB15               | 02/16/17              | 13.00  | 3.557      | 6.94               | -3.1     | 0.16      |
| SB16               | 02/24/14              | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB16               | 05/19/14              | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB16               | 08/29/14              | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB16               | 11/21/14              | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB16               | 02/13/15              | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB16               | 05/21/15              | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB16               | 08/27/15              | Removed From Monitoring Plan - Plugged and Abandoned |            |                    |          |           |
| SB16R              | 03/07/14 <sup>1</sup> | 10.84  | 3.736      | 6.84               | -97.4    | 9.04      |
| SB16R              | 05/19/14              | 12.95  | 4.355      | 7.15               | -28.9    | 0.60      |
| SB16R              | 08/29/14              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 11/21/14              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 02/13/15              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 05/21/15              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 08/27/15              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 11/24/15              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 02/22/16              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 05/23/16              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 08/15/16              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 11/21/16              | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB16R              | 02/16/17              | Not Measured - LNAPL Present                         |            |                    |          |           |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C)                         | EC (mS/cm) | pH   | ORP (mV) | DO (mg/L) |
|--------------------|----------|-----------------------------------|------------|------|----------|-----------|
| SB17               | 02/24/14 | 12.27                             | 5.859      | 7.17 | 49.0     | 1.01      |
| SB17               | 05/19/14 | 13.08                             | 5.904      | 7.15 | 155.9    | 0.38      |
| SB17               | 08/29/14 | 12.79                             | 5.908      | 7.49 | 158.3    | 0.27      |
| SB17               | 11/21/14 | 12.68                             | 5.913      | 7.53 | 135.9    | 0.99      |
| SB17               | 02/13/15 | 12.57                             | 5.832      | 7.19 | 38.5     | 0.32      |
| SB17               | 05/21/15 | 12.67                             | 5.643      | 7.06 | -13.9    | 0.67      |
| SB17               | 08/27/15 | 12.67                             | 5.729      | 7.57 | 51.0     | 0.95      |
| SB17               | 11/24/15 | 12.29                             | 5.647      | 6.77 | 52.5     | 2.33      |
| SB17               | 02/22/16 | 12.38                             | 5.734      | 7.37 | 9.6      | 0.26      |
| SB17               | 05/23/16 | 12.83                             | 5.683      | 7.20 | 38.7     | 0.20      |
| SB17               | 08/15/16 | 12.99                             | 5.710      | 7.30 | 171.8    | 0.63      |
| SB17               | 11/21/16 | 12.40                             | 5.724      | 7.34 | 8.4      | 0.41      |
| SB17               | 02/16/17 | 12.50                             | 5.834      | 7.34 | 112.0    | 0.31      |
| SB18               | 02/24/14 | 12.56                             | 5.622      | 7.18 | 59.6     | 0.50      |
| SB18               | 05/19/14 | 12.84                             | 5.669      | 7.13 | 169.2    | 0.41      |
| SB18               | 08/29/14 | 12.98                             | 5.644      | 7.38 | 13.4     | 0.07      |
| SB18               | 11/21/14 | 12.54                             | 5.812      | 7.43 | -72.9    | 0.95      |
| SB18               | 02/13/15 | 12.53                             | 5.597      | 7.19 | 24.8     | 0.37      |
| SB18               | 05/21/15 | 12.49                             | 2.299      | 7.08 | -69.0    | 0.16      |
| SB18               | 08/27/15 | 12.72                             | 4.188      | 8.15 | -129.6   | 0.14      |
| SB18               | 11/24/15 | 12.28                             | 5.283      | 6.68 | 20.9     | 0.29      |
| SB18               | 02/22/16 | 12.33                             | 5.263      | 7.33 | -46.8    | 0.21      |
| SB18               | 05/23/16 | 12.80                             | 5.221      | 7.11 | -19.7    | 0.68      |
| SB18               | 08/15/16 | 12.95                             | 5.464      | 7.13 | 117.1    | 0.81      |
| SB18               | 11/21/16 | 12.39                             | 5.533      | 7.20 | 6.9      | 0.17      |
| SB18               | 02/16/17 | 12.50                             | 5.620      | 7.31 | 17.6     | 0.38      |
| SB19               | 02/24/14 | 12.24                             | 5.457      | 7.16 | 19.5     | 0.91      |
| SB19               | 05/19/14 | 13.17                             | 5.473      | 7.18 | 82.7     | 0.30      |
| SB19               | 08/29/14 | 12.68                             | 5.376      | 7.34 | -2.2     | 0.11      |
| SB19               | 11/21/14 | 12.47                             | 5.578      | 7.31 | -101.9   | 1.20      |
| SB19               | 02/13/15 | 12.45                             | 5.469      | 7.04 | 25.5     | 1.80      |
| SB19               | 05/21/15 | 12.44                             | 5.145      | 7.00 | -49.4    | 0.33      |
| SB19               | 08/27/15 | 12.61                             | 5.408      | 8.12 | -119.5   | 0.20      |
| SB19               | 11/24/15 | 12.15                             | 5.243      | 6.63 | -14.9    | 0.80      |
| SB19               | 02/22/16 | 12.25                             | 5.290      | 7.31 | -111.8   | 0.21      |
| SB19               | 05/23/16 | 12.75                             | 5.209      | 7.18 | -109.4   | 0.13      |
| SB19               | 08/15/16 | 12.76                             | 5.301      | 7.16 | 7.4      | 0.56      |
| SB19               | 11/21/16 | 12.28                             | 5.298      | 7.18 | -31.2    | 0.70      |
| SB19               | 02/16/17 | 12.40                             | 5.398      | 7.30 | 52.7     | 0.96      |
| SB20               | 02/24/14 | Not Measured - Insufficient Water |            |      |          |           |
| SB20               | 05/19/14 | 13.97                             | 4.530      | 7.17 | 181.4    | 0.95      |
| SB20               | 08/29/14 | 12.72                             | 4.834      | 7.27 | 43.4     | 0.15      |
| SB20               | 11/21/14 | 12.41                             | 4.888      | 7.41 | -6.2     | 1.86      |
| SB20               | 02/13/15 | 12.41                             | 4.802      | 6.74 | 50.0     | 1.08      |
| SB20               | 05/21/15 | 12.54                             | 4.722      | 6.97 | 71.5     | 1.61      |
| SB20               | 08/27/15 | 13.78                             | 0.045      | 7.77 | -26.8    | 10.71     |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C)  | EC (mS/cm) | pH                 | ORP (mV) | DO (mg/L) |
|--------------------|----------|--|------------|--------------------|----------|-----------|
| SB20               | 11/24/15 | 12.39  | 3.669      | 11.22 <sup>2</sup> | -203.2   | 0.11      |
| SB20               | 02/22/16 | 12.44  | 0.903      | 7.34               | -82.8    | 0.73      |
| SB20               | 05/23/16 | 12.98  | 1.720      | 7.36               | -110.4   | 0.19      |
| SB20               | 08/15/16 | 12.88  | 1.716      | 7.37               | -29.8    | 0.42      |
| SB20               | 11/21/16 | 12.42  | 2.671      | 7.15               | -28.4    | 0.41      |
| SB20               | 02/16/17 | 12.50  | 3.913      | 7.13               | -71.4    | 0.55      |
| SB20R              | 02/24/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB20R              | 05/19/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB20R              | 08/29/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB20R              | 11/21/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB20R              | 02/13/15 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB20R              | 05/21/15 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB20R              | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |            |                    |          |           |
| SB21               | 02/24/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB21               | 05/19/14 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 08/29/14 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 11/21/14 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 02/13/15 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 05/21/15 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 08/27/15 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 11/24/15 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 02/22/16 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 05/23/16 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 08/15/16 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 11/21/16 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB21               | 02/16/17 | Not Measured - LNAPL Present                         |            |                    |          |           |
| SB22               | 02/24/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB22               | 05/19/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB22               | 08/29/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB22               | 11/21/14 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB22               | 02/13/15 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB22               | 05/21/15 | Not Measured - Insufficient Water                    |            |                    |          |           |
| SB22               | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |            |                    |          |           |
| SB22R              | 02/24/14 | 12.29  | 3.073      | 7.19               | 83.1     | 0.20      |
| SB22R              | 05/19/14 | 12.83  | 3.560      | 7.05               | 118.9    | 0.20      |
| SB22R              | 08/29/14 | 12.53  | 2.767      | 6.99               | -70.0    | 0.12      |
| SB22R              | 11/21/14 | 12.48  | 3.792      | 7.45               | 12.6     | 1.53      |
| SB22R              | 02/13/15 | 12.32  | 3.100      | 6.95               | 41.0     | 0.24      |
| SB22R              | 05/21/15 | 12.32  | 2.598      | 7.06               | -142.2   | 0.17      |
| SB22R              | 08/27/15 | 12.77  | 3.703      | 7.83               | -101.5   | 0.27      |
| SB22R              | 11/24/15 | 12.31  | 2.760      | 9.79               | -55.3    | 0.31      |
| SB22R              | 02/22/16 | 12.19  | 1.353      | 7.09               | -167.8   | 0.22      |
| SB22R              | 05/23/16 | 12.64  | 1.731      | 7.07               | -172.7   | 0.17      |
| SB22R              | 08/15/16 | 12.54  | 2.838      | 6.97               | -46.5    | 0.14      |
| SB22R              | 11/21/16 | 12.35  | 1.536      | 7.04               | -46.9    | 0.18      |
| SB22R              | 02/16/17 | 12.40  | 4.735      | 7.00               | -42.7    | 0.29      |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date                  | Temp (°C) | EC (mS/cm)   | pH   | ORP (mV) | DO (mg/L) |
|--------------------|-----------------------|-----------|--|------|----------|-----------|
| SB23               | 03/07/14 <sup>1</sup> | 11.26     | 1.978  | 7.07 | -162.2   | 4.18      |
| SB23               | 05/19/14              |           | Not Measured - LNAPL Present                         |      |          |           |
| SB23               | 08/29/14              |           | Not Measured - LNAPL Present                         |      |          |           |
| SB23               | 11/21/14              |           | Not Measured - LNAPL Present                         |      |          |           |
| SB23               | 02/13/15              |           | Not Measured - LNAPL Present                         |      |          |           |
| SB23               | 05/21/15              |           | Not Measured - LNAPL Present                         |      |          |           |
| SB23               | 08/27/15              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB23               | 11/24/15              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB23               | 02/22/16              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB23               | 05/23/16              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB23               | 08/15/16              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB23               | 11/21/16              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB23               | 02/16/17              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB24               | 02/24/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB24               | 05/19/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB24               | 08/29/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB24               | 11/21/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB24               | 02/13/15              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB24               | 05/21/15              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB24               | 08/27/15              |           | Removed From Monitoring Plan - Plugged and Abandoned |      |          |           |
| SB24R              | 02/24/14              | 12.29     | 2.768  | 7.19 | 129.5    | 0.37      |
| SB24R              | 05/19/14              | 12.75     | 3.496  | 6.88 | 226.0    | 0.21      |
| SB24R              | 08/29/14              | 12.39     | 3.007  | 7.49 | 108.5    | 0.36      |
| SB24R              | 11/21/14              | 12.30     | 4.164  | 7.45 | 152.4    | 1.49      |
| SB24R              | 02/13/15              | 12.24     | 3.734  | 7.15 | 70.8     | 6.50      |
| SB24R              | 05/21/15              | 12.27     | 2.891  | 7.13 | 10.7     | 0.20      |
| SB24R              | 08/27/15              | 12.30     | 4.031  | 7.71 | 12.2     | 0.10      |
| SB24R              | 11/24/15              | 12.22     | 2.667  | 8.45 | -11.4    | 0.47      |
| SB24R              | 02/22/16              | 12.07     | 2.758  | 7.55 | 59.5     | 0.34      |
| SB24R              | 05/23/16              | 12.56     | 2.661  | 7.42 | -108.2   | 0.49      |
| SB24R              | 08/15/16              | 12.29     | 3.303  | 7.23 | 110.6    | 0.18      |
| SB24R              | 11/21/16              | 12.20     | 3.962  | 7.01 | 19.6     | 0.35      |
| SB24R              | 02/16/17              | 12.20     | 4.113  | 7.12 | 153.4    | 0.58      |
| SB25               | 02/24/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB25               | 05/19/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB25               | 08/29/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB25               | 11/21/14              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB25               | 02/13/15              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB25               | 05/21/15              |           | Not Measured - Insufficient Water                    |      |          |           |
| SB25               | 08/27/15              |           | Removed From Monitoring Plan - Plugged and Abandoned |      |          |           |
| SB25R              | 02/24/14              | 12.16     | 3.008  | 7.22 | 174.2    | 2.00      |
| SB25R              | 05/19/14              | 12.65     | 3.214  | 7.11 | 219.5    | 0.18      |
| SB25R              | 08/29/14              | 12.47     | 3.054  | 7.50 | 135.1    | 0.04      |
| SB25R              | 11/21/14              | 12.38     | 3.195  | 7.55 | 22.9     | 0.85      |
| SB25R              | 02/13/15              | 12.25     | 3.180  | 7.12 | 44.6     | 1.00      |



**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C)  | EC (mS/cm) | pH   | ORP (mV) | DO (mg/L) |
|--------------------|----------|--|------------|------|----------|-----------|
| SB25R              | 05/21/15 | 12.41  | 2.960      | 7.09 | 38.8     | 0.14      |
| SB25R              | 08/27/15 | 12.62  | 3.412      | 7.82 | -52.2    | 0.10      |
| SB25R              | 11/24/15 | 12.35  | 3.095      | 6.73 | 0.3      | 0.62      |
| SB25R              | 02/22/16 | 12.12  | 0.317      | 7.22 | -80.6    | 0.35      |
| SB25R              | 05/23/16 | 12.53  | 2.652      | 7.18 | -115.4   | 0.30      |
| SB25R              | 08/15/16 | 12.60  | 0.585      | 7.55 | -20.7    | 0.30      |
| SB25R              | 11/21/16 | 12.31  | 1.002      | 7.56 | -46.5    | 0.33      |
| SB25R              | 02/16/17 | 12.30  | 0.816      | 7.65 | -110.6   | 0.11      |
| SB26               | 02/24/14 | 12.80  | 2.212      | 7.60 | 171.0    | 0.56      |
| SB26               | 05/19/14 | 12.89  | 1.999      | 7.75 | 216.9    | 0.62      |
| SB26               | 08/29/14 | 12.51  | 2.026      | 7.85 | 96.0     | 0.10      |
| SB26               | 11/21/14 | 12.20  | 2.260      | 7.99 | 86.4     | 1.81      |
| SB26               | 02/13/15 | 12.23  | 1.836      | 7.59 | 140.6    | 0.77      |
| SB26               | 05/21/15 | 12.39  | 1.753      | 7.35 | 20.5     | 0.30      |
| SB26               | 08/27/15 | 12.43  | 1.833      | 7.74 | 65.3     | 0.15      |
| SB26               | 11/24/15 | 12.20  | 1.025      | 9.87 | -63.2    | 0.34      |
| SB26               | 02/22/16 | 12.13  | 0.663      | 7.96 | -69.5    | 0.23      |
| SB26               | 05/23/16 | 12.64  | 0.637      | 7.62 | -149.1   | 0.22      |
| SB26               | 08/15/16 | 12.41  | 1.075      | 7.33 | 166.0    | 0.18      |
| SB26               | 11/21/16 | 12.13  | 1.523      | 7.65 | 4.0      | 0.35      |
| SB26               | 02/16/17 | 12.30  | 1.836      | 6.67 | 156.2    | 0.71      |
| SB27               | 02/24/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB27               | 05/19/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB27               | 08/29/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB27               | 11/21/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB27               | 02/13/15 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB27               | 05/21/15 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB27               | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |            |      |          |           |
| SB27R              | 02/24/14 | 11.95  | 3.014      | 7.35 | 152.0    | 4.99      |
| SB27R              | 05/19/14 | 12.68  | 3.275      | 7.08 | 245.3    | 0.22      |
| SB27R              | 08/29/14 | 12.41  | 3.053      | 7.59 | 103.5    | 0.06      |
| SB27R              | 11/21/14 | 12.31  | 3.329      | 7.54 | 199.7    | 1.84      |
| SB27R              | 02/13/15 | 12.26  | 3.157      | 7.25 | 25.6     | 0.44      |
| SB27R              | 05/21/15 | 12.34  | 2.955      | 7.08 | 59.3     | 0.33      |
| SB27R              | 08/27/15 | 12.45  | 3.411      | 7.58 | 9.8      | 0.39      |
| SB27R              | 11/24/15 | 12.31  | 2.981      | 6.89 | 47.2     | 2.00      |
| SB27R              | 02/22/16 | 12.17  | 3.030      | 7.38 | 17.3     | 0.22      |
| SB27R              | 05/23/16 | 12.57  | 2.913      | 7.33 | -76.6    | 1.65      |
| SB27R              | 08/15/16 | 12.56  | 2.931      | 7.22 | 17.2     | 0.42      |
| SB27R              | 11/21/16 | 12.30  | 3.021      | 7.19 | -2.5     | 0.35      |
| SB27R              | 02/16/17 | 12.30  | 3.449      | 7.12 | 36.8     | 0.45      |
| SB28               | 02/24/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB28               | 05/19/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB28               | 08/29/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB28               | 11/21/14 | Not Measured - Insufficient Water                    |            |      |          |           |
| SB28               | 02/13/15 | Not Measured - Insufficient Water                    |            |      |          |           |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date                  | Temp (°C)  | EC (mS/cm) | pH   | ORP (mV) | DO (mg/L) |
|--------------------|-----------------------|--|------------|------|----------|-----------|
| SB28               | 05/21/15              | Not Measured - Insufficient Water                    |            |      |          |           |
| SB28               | 08/27/15              | Removed From Monitoring Plan - Plugged and Abandoned |            |      |          |           |
| SB28R              | 02/24/14              | 12.41  | 2.326      | 7.25 | 135.9    | 0.47      |
| SB28R              | 05/19/14              | 12.49  | 3.130      | 7.50 | 254.3    | 0.83      |
| SB28R              | 08/29/14              | 12.47  | 2.725      | 7.49 | 74.8     | 0.16      |
| SB28R              | 11/21/14              | 12.35  | 3.429      | 7.60 | 153.4    | 2.06      |
| SB28R              | 02/13/15              | 12.30  | 2.971      | 7.25 | 73.9     | 0.67      |
| SB28R              | 05/21/15              | 12.32  | 2.204      | 7.22 | 23.5     | 0.17      |
| SB28R              | 08/27/15              | 12.85  | 1.927      | 7.74 | 6.1      | 1.16      |
| SB28R              | 11/24/15              | 12.25  | 2.276      | 8.32 | -3.2     | 0.54      |
| SB28R              | 02/22/16              | 12.17  | 2.809      | 7.43 | 44.3     | 0.36      |
| SB28R              | 05/23/16              | 12.45  | 2.618      | 7.35 | -99.8    | 0.32      |
| SB28R              | 08/15/16              | 12.59  | 1.937      | 7.38 | 38.7     | 1.20      |
| SB28R              | 11/21/16              | Not Measured - Insufficient Water                    |            |      |          |           |
| SB28R              | 02/16/17              | Not Measured - Well Obstructed                       |            |      |          |           |
| SB29               | 02/24/14              | 12.59  | 2.630      | 7.22 | 75.8     | 0.56      |
| SB29               | 05/19/14              | 12.73  | 3.306      | 7.32 | 526.9    | 0.46      |
| SB29               | 08/29/14              | 12.69  | 2.328      | 7.61 | 90.9     | 0.31      |
| SB29               | 11/21/14              | 12.41  | 3.778      | 7.70 | 118.9    | 0.86      |
| SB29               | 02/13/15              | 12.37  | 3.586      | 7.38 | 143.2    | 0.50      |
| SB29               | 05/21/15              | 12.41  | 2.242      | 7.24 | -28.0    | 0.20      |
| SB29               | 08/27/15              | 12.50  | 3.900      | 7.67 | -11.7    | 0.06      |
| SB29               | 11/24/15              | 12.21  | 2.435      | 9.68 | -50.3    | 0.69      |
| SB29               | 02/22/16              | 12.21  | 1.198      | 7.57 | 24.5     | 0.16      |
| SB29               | 05/23/16              | 12.58  | 1.616      | 7.44 | -147.6   | 0.50      |
| SB29               | 08/15/16              | 12.50  | 1.626      | 7.54 | -19.8    | 0.21      |
| SB29               | 11/21/16              | 12.26  | 1.995      | 7.76 | 5.0      | 0.34      |
| SB29               | 02/16/17              | 12.40  | 3.075      | 7.48 | 191.5    | 0.59      |
| SB30               | 03/07/14 <sup>1</sup> | 9.64   | 3.415      | 6.83 | -57.1    | 15.51     |
| SB30               | 05/19/14              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 08/29/14              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 11/21/14              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 02/13/15              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 05/21/15              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 08/27/15              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 11/24/15              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 02/22/16              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 05/23/16              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 08/15/16              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 11/21/16              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB30               | 02/16/17              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB31               | 03/07/14 <sup>1</sup> | 9.15   | 3.096      | 6.85 | -47.2    | 14.40     |
| SB31               | 05/19/14              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB31               | 08/29/14              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB31               | 11/21/14              | Not Measured - LNAPL Present                         |            |      |          |           |
| SB31               | 02/13/15              | Not Measured - LNAPL Present                         |            |      |          |           |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C) | EC (mS/cm)                        | pH   | ORP (mV) | DO (mg/L) |
|--------------------|----------|-----------|-----------------------------------|------|----------|-----------|
| SB31               | 05/21/15 |           | Not Measured - LNAPL Present      |      |          |           |
| SB31               | 08/27/15 |           | Not Measured - LNAPL Present      |      |          |           |
| SB31               | 11/24/15 |           | Not Measured - LNAPL Present      |      |          |           |
| SB31               | 02/22/16 |           | Not Measured - LNAPL Present      |      |          |           |
| SB31               | 05/23/16 |           | Not Measured - LNAPL Present      |      |          |           |
| SB31               | 08/15/16 |           | Not Measured - LNAPL Present      |      |          |           |
| SB31               | 11/21/16 |           | Not Measured - LNAPL Present      |      |          |           |
| SB31               | 02/16/17 |           | Not Measured - LNAPL Present      |      |          |           |
| SB32               | 02/24/14 | 12.42     | 2.781                             | 7.15 | 107.8    | 0.36      |
| SB32               | 03/31/14 | 12.54     | 2.934                             | 6.82 | 109.5    | 0.25      |
| SB32               | 05/19/14 | 12.89     | 3.511                             | 7.39 | 174.1    | 0.40      |
| SB32               | 08/29/14 | 12.66     | 2.750                             | 6.99 | 35.0     | 0.45      |
| SB32               | 11/21/14 | 12.61     | 4.066                             | 7.18 | -145.9   | 1.22      |
| SB32               | 02/13/15 | 12.47     | 3.926                             | 6.92 | -53.3    | 0.28      |
| SB32               | 05/21/15 | 12.51     | 2.637                             | 6.99 | -82.0    | 0.11      |
| SB32               | 08/27/15 |           | Not Measured - Insufficient Water |      |          |           |
| SB32               | 11/24/15 |           | Not Measured - Insufficient Water |      |          |           |
| SB32               | 02/22/16 |           | Not Measured - Insufficient Water |      |          |           |
| SB32               | 05/23/16 |           | Not Measured - Insufficient Water |      |          |           |
| SB32               | 08/15/16 |           | Not Measured - Insufficient Water |      |          |           |
| SB32               | 11/21/16 |           | Not Measured - Insufficient Water |      |          |           |
| SB32               | 02/16/17 |           | Not Measured - Insufficient Water |      |          |           |
| SB33               | 02/24/14 |           | Not Measured - Insufficient Water |      |          |           |
| SB33               | 05/19/14 |           | Not Measured - Insufficient Water |      |          |           |
| SB33               | 08/29/14 | 12.37     | 6.177                             | 7.08 | 131.8    | 0.11      |
| SB33               | 11/21/14 | 12.28     | 6.165                             | 7.18 | -11.5    | 1.73      |
| SB33               | 02/13/15 | 12.16     | 6.050                             | 7.02 | 54.9     | 0.35      |
| SB33               | 05/21/15 | 12.30     | 5.910                             | 6.75 | 79.0     | 0.27      |
| SB33               | 08/27/15 | 12.40     | 6.035                             | 7.78 | -98.4    | 0.12      |
| SB33               | 11/24/15 | 12.22     | 5.976                             | 6.65 | -23.4    | 0.32      |
| SB33               | 02/22/16 | 12.18     | 6.032                             | 7.06 | -42.7    | 0.20      |
| SB33               | 05/23/16 | 12.48     | 5.933                             | 6.92 | -52.9    | 0.15      |
| SB33               | 08/15/16 | 12.29     | 5.925                             | 6.85 | 170.8    | 1.50      |
| SB33               | 11/21/16 | 12.10     | 5.913                             | 6.95 | -3.9     | 0.12      |
| SB33               | 02/16/17 | 12.10     | 5.920                             | 7.07 | 32.3     | 0.65      |
| SB34               | 02/24/14 | 12.36     | 2.316                             | 7.14 | 188.9    | 0.72      |
| SB34               | 05/19/14 | 12.99     | 2.366                             | 7.31 | 245.1    | 0.34      |
| SB34               | 08/29/14 | 12.61     | 2.328                             | 7.20 | 127.4    | 0.30      |
| SB34               | 11/21/14 | 12.32     | 2.393                             | 7.72 | 176.6    | 1.77      |
| SB34               | 02/13/15 | 12.17     | 2.308                             | 7.10 | 64.4     | 4.30      |
| SB34               | 05/21/15 | 12.49     | 2.247                             | 7.07 | 33.6     | 0.15      |
| SB34               | 08/27/15 | 12.57     | 2.298                             | 7.60 | 18.9     | 0.23      |
| SB34               | 11/24/15 | 12.30     | 2.303                             | 8.13 | 26.5     | 1.08      |
| SB34               | 02/22/16 | 12.21     | 2.292                             | 7.34 | 37.7     | 0.20      |
| SB34               | 05/23/16 | 12.63     | 2.283                             | 7.20 | -91.0    | 0.33      |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C)                         | EC (mS/cm) | pH   | ORP (mV) | DO (mg/L) |
|--------------------|----------|-----------------------------------|------------|------|----------|-----------|
| SB34               | 08/15/16 | 12.43                             | 2.310      | 7.08 | 128.6    | 0.11      |
| SB34               | 11/21/16 | 12.29                             | 2.308      | 7.19 | 2.2      | 1.94      |
| SB34               | 02/16/17 | 12.30                             | 2.466      | 7.25 | -59.8    | 0.51      |
| SB35               | 03/31/14 | 12.42                             | 2.861      | 6.69 | 118.3    | 0.39      |
| SB35               | 05/19/14 | 12.56                             | 2.905      | 4.38 | 184.8    | 0.30      |
| SB35               | 08/29/14 | 12.46                             | 2.887      | 7.55 | 107.5    | 0.11      |
| SB35               | 11/21/14 | 12.44                             | 3.078      | 7.69 | 89.1     | 1.40      |
| SB35               | 02/13/15 | 12.29                             | 2.897      | 7.26 | 31.9     | 0.72      |
| SB35               | 05/21/15 | 12.38                             | 2.787      | 7.06 | 46.1     | 0.14      |
| SB35               | 08/27/15 | 12.54                             | 3.036      | 7.75 | -15.3    | 8.30      |
| SB35               | 11/24/15 | 12.31                             | 1.763      | 6.99 | -16.9    | 0.41      |
| SB35               | 02/22/16 | 12.18                             | 1.881      | 7.40 | -95.9    | 0.18      |
| SB35               | 05/23/16 | 12.47                             | 2.132      | 7.27 | -103.7   | 0.20      |
| SB35               | 08/15/16 | 12.44                             | 2.261      | 7.17 | -40.9    | 0.22      |
| SB35               | 11/21/16 | 12.30                             | 2.610      | 7.26 | -16.0    | 0.46      |
| SB35               | 02/16/17 | 12.30                             | 2.990      | 7.30 | 19.0     | 0.35      |
| SB36               | 03/31/14 | 12.56                             | 3.638      | 6.95 | 86.3     | 0.19      |
| SB36               | 05/19/14 | 12.42                             | 4.010      | 7.39 | 250.8    | 0.32      |
| SB36               | 08/29/14 | 12.37                             | 3.134      | 7.13 | 26.0     | 0.17      |
| SB36               | 11/21/14 | 12.32                             | 3.121      | 7.68 | 145.8    | 1.63      |
| SB36               | 02/13/15 | 12.01                             | 3.096      | 6.84 | 156.7    | 0.75      |
| SB36               | 05/21/15 | 12.17                             | 2.926      | 7.06 | 77.2     | 0.30      |
| SB36               | 08/27/15 | 12.13                             | 5.125      | 7.27 | 79.2     | 0.18      |
| SB36               | 11/24/15 | 11.96                             | 4.449      | 6.31 | 90.8     | 0.40      |
| SB36               | 02/22/16 | 12.15                             | 4.534      | 6.97 | -14.8    | 0.32      |
| SB36               | 05/23/16 | 12.33                             | 3.978      | 6.58 | -59.2    | 0.45      |
| SB36               | 08/15/16 | 12.48                             | 3.383      | 6.94 | 168.0    | 0.23      |
| SB36               | 11/21/16 | 12.08                             | 3.701      | 6.93 | -78.8    | 0.13      |
| SB36               | 02/16/17 | 12.20                             | 4.224      | 6.89 | -83.2    | 0.64      |
| SB37               | 03/31/14 | Not Measured - Insufficient Water |            |      |          |           |
| SB37               | 05/19/14 | 12.92                             | 3.378      | 6.97 | 245.5    | 0.22      |
| SB37               | 08/29/14 | 12.69                             | 2.263      | 7.09 | -48.9    | 0.09      |
| SB37               | 11/21/14 | 12.51                             | 3.562      | 7.22 | -30.0    | 1.57      |
| SB37               | 02/13/15 | 12.54                             | 3.581      | 6.88 | 47.3     | 0.24      |
| SB37               | 05/21/15 | 12.53                             | 2.066      | 7.18 | -166.9   | 0.04      |
| SB37               | 08/27/15 | 12.71                             | 1.964      | 8.26 | -203.4   | 0.29      |
| SB37               | 11/24/15 | 12.48                             | 1.874      | 8.70 | -40.6    | 0.28      |
| SB37               | 02/22/16 | 12.40                             | 2.040      | 7.39 | -205.9   | 0.04      |
| SB37               | 05/23/16 | Not Measured - LNAPL Present      |            |      |          |           |
| SB37               | 08/15/16 | Not Measured - LNAPL Present      |            |      |          |           |
| SB37               | 11/21/16 | Not Measured - LNAPL Present      |            |      |          |           |
| SB37               | 02/16/17 | Not Measured - LNAPL Present      |            |      |          |           |
| SB38               | 03/31/14 | 12.49                             | 2.701      | 7.03 | 77.0     | 2.09      |
| SB38               | 05/19/14 | 12.60                             | 2.728      | 7.45 | 250.8    | 0.22      |
| SB38               | 08/29/14 | 12.33                             | 2.378      | 7.47 | 27.3     | 0.19      |
| SB38               | 11/21/14 | 12.32                             | 2.658      | 7.69 | 151.3    | 0.41      |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C)                        | EC (mS/cm) | pH   | ORP (mV) | DO (mg/L) |
|--------------------|----------|----------------------------------|------------|------|----------|-----------|
| SB38               | 02/13/15 | 12.22                            | 2.640      | 7.37 | 167.3    | 2.17      |
| SB38               | 05/21/15 | 12.21                            | 2.286      | 6.98 | 215.5    | 0.36      |
| SB38               | 08/27/15 | 12.69                            | 2.596      | 7.55 | 90.0     | 0.90      |
| SB38               | 11/24/15 | 12.04                            | 2.417      | 6.66 | 88.6     | 0.83      |
| SB38               | 02/22/16 | 12.14                            | 2.550      | 7.58 | 23.1     | 0.40      |
| SB38               | 05/23/16 | 12.35                            | 2.017      | 6.89 | 128.6    | 0.33      |
| SB38               | 08/15/16 | 12.45                            | 2.230      | 7.18 | 241.9    | 0.25      |
| SB38               | 11/21/16 | 12.09                            | 2.491      | 7.17 | -18.8    | 0.16      |
| SB38               | 02/16/17 | 12.30                            | 2.648      | 7.20 | 2.6      | 0.49      |
| SB39               | 04/18/14 | 13.52                            | 6.588      | 6.98 | 160.8    | 2.90      |
| SB39               | 05/19/14 | 12.51                            | 6.540      | 7.19 | 258.0    | 0.35      |
| SB39               | 08/29/14 | 12.30                            | 6.203      | 7.51 | 126.6    | 0.07      |
| SB39               | 11/21/14 | 12.22                            | 6.402      | 7.53 | 216.0    | 2.12      |
| SB39               | 02/13/15 | 12.15                            | 6.336      | 7.00 | 65.1     | 0.61      |
| SB39               | 05/21/15 | 12.10                            | 5.814      | 6.77 | 226.3    | 0.23      |
| SB39               | 08/27/15 | 12.41                            | 4.085      | 7.23 | 94.9     | 0.59      |
| SB39               | 11/24/15 | 11.72                            | 4.033      | 6.27 | 91.6     | 1.32      |
| SB39               | 02/22/16 | 11.90                            | 3.954      | 7.08 | 23.2     | 0.31      |
| SB39               | 05/23/16 | Not Measured - Probe Malfunction |            |      |          |           |
| SB39               | 08/15/16 | 12.36                            | 3.704      | 7.05 | 280.1    | 3.48      |
| SB39               | 11/21/16 | 11.86                            | 3.846      | 6.97 | 111.5    | 2.52      |
| SB39               | 02/16/17 | 12.00                            | 3.862      | 6.93 | 411.2    | 1.79      |
| SB40               | 04/18/14 | 12.58                            | 3.878      | 7.22 | 140.1    | 1.17      |
| SB40               | 05/19/14 | 12.36                            | 3.888      | 7.54 | 232.0    | 0.58      |
| SB40               | 08/29/14 | 12.14                            | 3.561      | 7.61 | 88.0     | 3.20      |
| SB40               | 11/21/14 | 11.49                            | 3.553      | 7.60 | 88.4     | 2.20      |
| SB40               | 02/13/15 | 12.11                            | 3.559      | 7.13 | 76.0     | 2.01      |
| SB40               | 05/21/15 | 12.12                            | 3.485      | 6.50 | 250.1    | 0.90      |
| SB40               | 08/27/15 | 12.22                            | 3.721      | 7.34 | 116.2    | 0.12      |
| SB40               | 11/24/15 | 11.91                            | 2.703      | 6.65 | 108.7    | 4.74      |
| SB40               | 02/22/16 | 12.03                            | 2.260      | 7.24 | 192.0    | 0.41      |
| SB40               | 05/23/16 | 12.03                            | 2.281      | 6.64 | 108.8    | 5.43      |
| SB40               | 08/15/16 | 12.43                            | 2.111      | 7.50 | 263.8    | 7.10      |
| SB40               | 11/21/16 | 11.96                            | 2.012      | 7.28 | 142.4    | 1.89      |
| SB40               | 02/16/17 | 12.20                            | 2.363      | 7.27 | 414.0    | 0.71      |
| SB41               | 04/18/14 | 12.92                            | 2.001      | 7.54 | 115.8    | 3.36      |
| SB41               | 05/19/14 | 12.51                            | 2.419      | 7.39 | 208.1    | 0.25      |
| SB41               | 08/29/14 | 12.30                            | 2.012      | 7.76 | 43.3     | 0.22      |
| SB41               | 11/21/14 | 11.97                            | 1.980      | 8.10 | 122.2    | 2.05      |
| SB41               | 02/13/15 | 12.14                            | 2.094      | 7.47 | 109.0    | 0.45      |
| SB41               | 05/21/15 | 12.19                            | 1.910      | 7.09 | 217.0    | 0.34      |
| SB41               | 08/27/15 | 12.53                            | 1.945      | 7.49 | 118.3    | 0.10      |
| SB41               | 11/24/15 | 11.97                            | 1.932      | 6.70 | 97.8     | 1.95      |
| SB41               | 02/22/16 | 12.05                            | 0.868      | 7.63 | -68.5    | 0.38      |
| SB41               | 05/23/16 | 12.28                            | 1.846      | 6.97 | 105.0    | 0.53      |

**TABLE 3**  
**GROUNDWATER GEOCHEMICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID | Date     | Temp (°C) | EC (mS/cm) | pH   | ORP (mV) | DO (mg/L) |
|--------------------|----------|-----------|------------|------|----------|-----------|
| SB41               | 08/15/16 | 12.48     | 2.570      | 7.38 | 250.9    | 0.22      |
| SB41               | 11/21/16 | 12.04     | 2.546      | 7.17 | 240.9    | 1.39      |
| SB41               | 02/16/17 | 12.20     | 2.379      | 7.43 | 421.4    | 0.54      |
| SB42               | 04/18/14 | 12.61     | 2.645      | 7.37 | 205.9    | 6.44      |
| SB42               | 05/19/14 | 12.66     | 3.096      | 7.23 | 250.0    | 0.44      |
| SB42               | 08/29/14 | 12.54     | 2.304      | 7.64 | 143.0    | 0.54      |
| SB42               | 11/21/14 | 12.42     | 2.259      | 7.84 | 58.6     | 0.84      |
| SB42               | 02/13/15 | 12.44     | 3.195      | 7.22 | 37.3     | 0.69      |
| SB42               | 05/21/15 | 12.29     | 2.030      | 7.21 | 128.8    | 0.25      |
| SB42               | 08/27/15 | 12.56     | 2.059      | 7.56 | 84.0     | 0.08      |
| SB42               | 11/24/15 | 12.20     | 2.034      | 6.75 | 8.5      | 0.25      |
| SB42               | 02/22/16 | 12.17     | 1.923      | 7.65 | -59.8    | 0.28      |
| SB42               | 05/23/16 | 12.56     | 1.888      | 7.52 | -145.9   | 0.42      |
| SB42               | 08/15/16 | 12.65     | 1.884      | 7.47 | 48.5     | 0.43      |
| SB42               | 11/21/16 | 12.15     | 1.941      | 7.42 | -15.5    | 1.65      |
| SB42               | 02/16/17 | 12.30     | 2.520      | 7.58 | 117.9    | 0.31      |

Temp (°C) = Temperature in degrees Celsius (°C)

EC (mS/cm) = Electrical conductivity in millisiemens per centimeter (mS/cm)

pH = Acidity or alkalinity in standard units

ORP (mV) = Oxidation reduction potential in millivolts (mV)

DO (mg/L) = Dissolved oxygen concentration in milligrams per liter (mg/L)

LNAPL = Light non-aqueous phase liquid

<sup>1</sup> Measured ex-situ due to the presence of LNAPL

<sup>2</sup> pH values appear anomalous for wells SB07, SB10, SB14, SB15, SB20 measured on 11/24/15, and for well SB11 on 5/23/16

<sup>3</sup> DO values appear anomalous for wells SB07, SB08, SB10 measured on 02/22/16, and for well SB07 measured on 5/23/16

This table presents data collected by Tasman Geosciences. Historical data is presented in Attachment A of the Form 27 Site Assessment Report (COGCC Document #2148980)

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)  | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|---|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>  | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB01                  | 02/24/14 | 1.5   | 13.5           | 1.2                 | 33.8                 |
| SB01                  | 05/19/14 | Removed From Monitoring Plan Due to Submerged Well Screen |                |                     |                      |
| SB02                  | 02/24/14 | 25.1  | <4.0           | <4.0                | <4.0                 |
| SB02                  | 05/19/14 | Removed From Monitoring Plan Due to Submerged Well Screen |                |                     |                      |
| SB03                  | 02/24/14 | <1.0  | <1.0           | <1.0                | <1.0                 |
| SB03                  | 05/19/14 | <1.0  | <5.0           | <1.0                | <3.0                 |
| SB03                  | 08/29/14 | <1.0  | <5.0           | <1.0                | <3.0                 |
| SB03                  | 11/21/14 | <1.0  | <5.0           | <1.0                | <3.0                 |
| SB03                  | 02/13/15 | <1.0  | <5.0           | <1.0                | <3.0                 |
| SB03                  | 05/21/15 | <1.0  | <5.0           | <1.0                | <3.0                 |
| SB03                  | 08/27/15 | <1.00   | <5.00          | <1.00               | <3.00                |
| SB03                  | 11/24/15 | 1.45  | <5.00          | 1.33                | <3.00                |
| SB03                  | 02/22/16 | 2.57  | <5.00          | 5.53                | <3.00                |
| SB03                  | 05/23/16 | 3.2   | <1.0           | 6.2                 | 2.5                  |
| SB03                  | 08/15/16 | <1.0  | <1.0           | <1.0                | <1.0                 |
| SB03                  | 11/21/16 | <1.0  | <1.0           | <1.0                | <1.0                 |
| SB03                  | 02/16/17 | <1.0  | <1.0           | <1.0                | <1.0                 |
| SB04                  | 02/24/14 | 72.3  | <1.0           | <1.0                | <1.0                 |
| SB04                  | 05/19/14 | 6.4   | <5.0           | <1.0                | <3.0                 |
| SB04                  | 08/29/14 | 42  | <5.0           | <1.0                | <3.0                 |
| SB04                  | 11/21/14 | 7.9   | <5.0           | <1.0                | <3.0                 |
| SB04                  | 02/13/15 | 8.8   | <5.0           | <1.0                | <3.0                 |
| SB04                  | 05/21/15 | 100   | <5.0           | 6.1                 | 4.8                  |
| SB04                  | 08/27/15 | 174   | <5.00          | 3.26                | 3.28                 |
| SB04                  | 11/24/15 | 1,760   | <125           | 543                 | 371                  |
| SB04                  | 02/22/16 | 1,010   | <5.00          | 223                 | 366                  |
| SB04                  | 05/23/16 | 490   | <1.0           | 300                 | 150                  |
| SB04                  | 08/15/16 | 910   | <1.0           | 640                 | 150                  |
| SB04                  | 11/21/16 | 970   | 1.4            | 1,100               | <1.0                 |
| SB04                  | 02/16/17 | 770   | 1.3            | 1,100               | 22                   |
| SB05                  | 02/24/14 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 05/19/14 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 08/29/14 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 11/21/14 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 02/13/15 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 05/21/15 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 08/27/15 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 11/24/15 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 02/22/16 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 05/23/16 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 08/15/16 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 11/21/16 | Not Sampled - LNAPL Present                               |                |                     |                      |
| SB05                  | 02/16/17 | Not Sampled - LNAPL Present                               |                |                     |                      |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)              | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|-----------------------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>                    | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB06                  | 02/24/14 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB06                  | 05/19/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB06                  | 08/29/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB06                  | 11/21/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB06                  | 02/13/15 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB06                  | 05/21/15 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB06                  | 08/27/15 | 23.2                        | <5.00          | <1.00               | 4.97                 |
| SB06                  | 11/24/15 | 2.39                        | <5.00          | <1.00               | <3.00                |
| SB06                  | 02/22/16 | 2.48                        | <5.00          | <1.00               | <3.00                |
| SB06                  | 05/23/16 | 2.6                         | <1.0           | <1.0                | 2.7                  |
| SB06                  | 08/15/16 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB06                  | 11/21/16 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB06                  | 02/16/17 | 2.0                         | <1.0           | 2.1                 | <1.0                 |
| SB07                  | 02/24/14 | 8,600                       | 9,910          | 54.0                | 1,800                |
| SB07                  | 05/19/14 | 7,800                       | 9,900          | 88                  | 3,200                |
| SB07                  | 08/29/14 | 5,900                       | <2,500         | <500                | <1,500               |
| SB07                  | 11/21/14 | 8,600                       | 6,000          | <500                | 3,600                |
| SB07                  | 02/13/15 | 2,200                       | <250           | <50                 | 310                  |
| SB07                  | 05/21/15 | 4,400                       | 720            | <50                 | 430                  |
| SB07                  | 08/27/15 | 642                         | 784            | <50.0               | 336                  |
| SB07                  | 11/24/15 | 9,560                       | 27,000         | 445                 | 8,730                |
| SB07                  | 02/22/16 | 7,860                       | 10,400         | 304                 | 6,720                |
| SB07                  | 05/23/16 | 9,900                       | 2,000          | 500                 | 6,200                |
| SB07                  | 08/15/16 | 4,200                       | 350            | 220                 | 2,100                |
| SB07                  | 11/21/16 | 1,100                       | 110            | 60                  | 560                  |
| SB07                  | 02/16/17 | 3,500                       | 230            | 270                 | 5,800                |
| SB08                  | 02/24/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB08                  | 05/19/14 | 5,500                       | 12,000         | 480                 | 10,000               |
| SB08                  | 08/29/14 | 5,000                       | 4,100          | 600                 | 12,000               |
| SB08                  | 11/21/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB08                  | 02/13/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB08                  | 05/21/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB08                  | 08/27/15 | 4,710                       | 7,120          | 252                 | 8,720                |
| SB08                  | 11/24/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB08                  | 02/22/16 | 3,600                       | 5,950          | 459                 | 10,100               |
| SB08                  | 05/23/16 | 5,200                       | 5,000          | 920                 | 16,000               |
| SB08                  | 08/15/16 | 6,400                       | 5,300          | 780                 | 17,000               |
| SB08                  | 11/21/16 | 6,500                       | 6,100          | 840                 | 13,000               |
| SB08                  | 02/16/17 | 4,600                       | 5,000          | 750                 | 13,000               |
| SB09                  | 02/24/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 05/19/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 08/29/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 11/21/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 02/13/15 | Not Sampled - LNAPL Present |                |                     |                      |



**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)              | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|-----------------------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>                    | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB09                  | 05/21/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 08/27/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 11/24/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 02/22/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 05/23/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 08/15/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 11/21/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB09                  | 02/16/17 | Not Sampled - LNAPL Present |                |                     |                      |
| SB10                  | 02/24/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB10                  | 05/19/14 | 14,000                      | 18,000         | 640                 | 12,000               |
| SB10                  | 08/29/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB10                  | 11/21/14 | 15,000                      | 24,000         | 1,100               | 21,000               |
| SB10                  | 02/13/15 | 15,000                      | 33,000         | 620                 | 13,000               |
| SB10                  | 05/21/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB10                  | 08/27/15 | 14,900                      | 32,900         | 713                 | 11,300               |
| SB10                  | 11/24/15 | 9,920                       | 20,700         | <1,000              | 9,280                |
| SB10                  | 02/22/16 | 3,520                       | 6,670          | 458                 | 9,620                |
| SB10                  | 05/23/16 | 7,200                       | 16,000         | 1,200               | 18,000               |
| SB10                  | 08/15/16 | 6,700                       | 14,000         | 710                 | 18,000               |
| SB10                  | 11/21/16 | 6,900                       | 5,600          | 1,000               | 13,000               |
| SB10                  | 02/16/17 | 4,800                       | 2,600          | 790                 | 10,000               |
| SB11                  | 02/24/14 | 1,550                       | <1.0           | 127                 | <1.0                 |
| SB11                  | 05/19/14 | 49                          | <5.0           | <1.0                | <3.0                 |
| SB11                  | 08/29/14 | 170                         | <5.0           | 20                  | <3.0                 |
| SB11                  | 11/21/14 | 250                         | <5.0           | 22                  | <3.0                 |
| SB11                  | 02/13/15 | 94                          | <5.0           | 28                  | <3.0                 |
| SB11                  | 05/21/15 | 120                         | <5.0           | 16                  | <3.0                 |
| SB11                  | 08/27/15 | 48.2                        | <5.00          | <1.00               | 3.61                 |
| SB11                  | 11/24/15 | 50.6                        | <5.00          | 111                 | <3.00                |
| SB11                  | 02/22/16 | 11.5                        | <5.00          | 59.4                | <3.00                |
| SB11                  | 05/23/16 | 64                          | <1.0           | 38                  | <1.0                 |
| SB11                  | 08/15/16 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB11                  | 11/21/16 | 2.1                         | <1.0           | 14                  | <1.0                 |
| SB11                  | 02/16/17 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB12                  | 02/24/14 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB12                  | 05/19/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB12                  | 08/29/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB12                  | 11/21/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB12                  | 02/13/15 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB12                  | 05/21/15 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB12                  | 08/27/15 | <1.00                       | <5.00          | <1.00               | <3.00                |
| SB12                  | 11/24/15 | <1.00                       | <5.00          | <1.00               | <3.00                |
| SB12                  | 02/22/16 | <1.00                       | <5.00          | <1.00               | <3.00                |
| SB12                  | 05/23/16 | <1.0                        | <1.0           | <1.0                | <1.0                 |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)                   | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|----------------------------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>                         | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB12                  | 08/15/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB12                  | 11/21/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB12                  | 02/16/17 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB13                  | 02/24/14 | <1.0                             | <1.0           | <1.0                | 1.4                  |
| SB13                  | 05/19/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB13                  | 08/29/14 | 1.3                              | <5.0           | <1.0                | <3.0                 |
| SB13                  | 11/21/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB13                  | 02/13/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB13                  | 05/21/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB13                  | 08/27/15 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB13                  | 11/24/15 | 1.15                             | <5.00          | <1.00               | <3.00                |
| SB13                  | 02/22/16 | 10.6                             | <5.00          | 8.85                | 16.0                 |
| SB13                  | 05/23/16 | 14                               | 7.0            | 40                  | 40                   |
| SB13                  | 08/15/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB13                  | 11/21/16 | 30                               | 2.8            | 31                  | 57                   |
| SB13                  | 02/16/17 | 51                               | 1.6            | 61                  | 42                   |
| SB14                  | 02/24/14 | 1,220                            | 62.4           | 88.3                | 314                  |
| SB14                  | 05/19/14 | 140                              | <5.0           | 1.4                 | 4.8                  |
| SB14                  | 08/29/14 | 2,600                            | <5.0           | 130                 | 50                   |
| SB14                  | 11/21/14 | 2,100                            | <500           | 120                 | <300                 |
| SB14                  | 02/13/15 | 1,700                            | <100           | 210                 | <60                  |
| SB14                  | 05/21/15 | 1,400                            | <100           | 310                 | <60                  |
| SB14                  | 08/27/15 | 2,570                            | <100           | 394                 | <60.0                |
| SB14                  | 11/24/15 | 5,070                            | 334            | 978                 | 797                  |
| SB14                  | 02/22/16 | 4,390                            | 648            | 717                 | 1,080                |
| SB14                  | 05/23/16 | 2,600                            | 8.8            | 1,200               | 170                  |
| SB14                  | 08/15/16 | 1,700                            | <1.0           | 1.9                 | 48                   |
| SB14                  | 11/21/16 | 400                              | 1.6            | 680                 | 53                   |
| SB14                  | 02/16/17 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB15                  | 02/24/14 | 4,610                            | 8,690          | 553                 | 10,900               |
| SB15                  | 05/19/14 | 3,900                            | 2,500          | 530                 | 9,700                |
| SB15                  | 08/29/14 | 2,000                            | <120           | 700                 | 4,100                |
| SB15                  | 11/21/14 | 480                              | <120           | 190                 | 880                  |
| SB15                  | 02/13/15 | 100                              | <25            | 70                  | 420                  |
| SB15                  | 05/21/15 | 64                               | <25            | 30                  | 230                  |
| SB15                  | 08/27/15 | 91.7                             | <25.0          | 40.8                | 379                  |
| SB15                  | 11/24/15 | 8.84                             | <5.00          | <1.00               | 5.11                 |
| SB15                  | 02/22/16 | 10.8                             | <5.00          | <1.00               | 8.21                 |
| SB15                  | 05/23/16 | 4.1                              | <1.0           | 5.7                 | 26                   |
| SB15                  | 08/15/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB15                  | 11/21/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB15                  | 02/16/17 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB16                  | 02/24/14 | Not Sampled - Insufficient Water |                |                     |                      |
| SB16                  | 05/19/14 | Not Sampled - Insufficient Water |                |                     |                      |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)                                       | Toluene (µg/L)                     | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|--|------------------------------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>   | <b>560</b>                         | <b>700</b>          | <b>1,400</b>         |
| SB16                  | 08/29/14 | Not Sampled - Insufficient Water                     |                                    |                     |                      |
| SB16                  | 11/21/14 | Not Sampled - Insufficient Water                     |                                    |                     |                      |
| SB16                  | 02/13/15 | Not Sampled - Insufficient Water                     |                                    |                     |                      |
| SB16                  | 05/21/15 | Not Sampled - Insufficient Water                     |                                    |                     |                      |
| SB16                  | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |                                    |                     |                      |
| SB16R                 | 02/24/14 | <b>6,000</b>   | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 05/19/14 |  | <b>26,000</b>                      | <b>770</b>          | <b>14,000</b>        |
| SB16R                 | 08/29/14 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 11/21/14 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 02/13/15 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 05/21/15 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 08/27/15 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 11/24/15 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 02/22/16 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 05/23/16 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 08/15/16 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 11/21/16 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB16R                 | 02/16/17 |  | <b>Not Sampled - LNAPL Present</b> |                     |                      |
| SB17                  | 02/24/14 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB17                  | 05/19/14 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB17                  | 08/29/14 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB17                  | 11/21/14 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB17                  | 02/13/15 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB17                  | 05/21/15 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB17                  | 08/27/15 | <1.00  | <5.00                              | <1.00               | <3.00                |
| SB17                  | 11/24/15 | <1.00  | <5.00                              | <1.00               | <3.00                |
| SB17                  | 02/22/16 | <1.00  | <5.00                              | <1.00               | <3.00                |
| SB17                  | 05/23/16 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB17                  | 08/15/16 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB17                  | 11/21/16 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB17                  | 02/16/17 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB18                  | 02/24/14 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB18                  | 05/19/14 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB18                  | 08/29/14 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB18                  | 11/21/14 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB18                  | 02/13/15 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB18                  | 05/21/15 | <1.0   | <5.0                               | <1.0                | <3.0                 |
| SB18                  | 08/27/15 | <1.00  | <5.00                              | <1.00               | <3.00                |
| SB18                  | 11/24/15 | <1.00  | <5.00                              | <1.00               | <3.00                |
| SB18                  | 02/22/16 | <1.00  | <5.00                              | <1.00               | <3.00                |
| SB18                  | 05/23/16 | 1.9  | <1.0                               | <1.0                | <1.0                 |
| SB18                  | 08/15/16 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB18                  | 11/21/16 | <1.0   | <1.0                               | <1.0                | <1.0                 |
| SB18                  | 02/16/17 | <1.0   | <1.0                               | <1.0                | <1.0                 |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)                                       | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|--|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>   | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB19                  | 02/24/14 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB19                  | 05/19/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB19                  | 08/29/14 | <1.0   | <5.0           | <1.0                | 3.4                  |
| SB19                  | 11/21/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB19                  | 02/13/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB19                  | 05/21/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB19                  | 08/27/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB19                  | 11/24/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB19                  | 02/22/16 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB19                  | 05/23/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB19                  | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB19                  | 11/21/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB19                  | 02/16/17 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB20                  | 02/24/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB20                  | 05/19/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB20                  | 08/29/14 | <1.0   | <5.0           | <1.0                | 3.5                  |
| SB20                  | 11/21/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB20                  | 02/13/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB20                  | 05/21/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB20                  | 08/27/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB20                  | 11/24/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB20                  | 02/22/16 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB20                  | 05/23/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB20                  | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB20                  | 11/21/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB20                  | 02/16/17 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB20R                 | 02/24/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB20R                 | 05/19/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB20R                 | 08/29/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB20R                 | 11/21/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB20R                 | 02/13/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB20R                 | 05/21/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB20R                 | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                     |                      |
| SB21                  | 02/24/14 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 05/19/14 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 08/29/14 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 11/21/14 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 02/13/15 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 05/21/15 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 08/27/15 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 11/24/15 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 02/22/16 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 05/23/16 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21                  | 08/15/16 | Not Sampled - LNAPL Present                          |                |                     |                      |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID                                   | Date     | Benzene (µg/L)                                       | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|--|----------|--|----------------|---------------------|----------------------|
| COGCC Standard                                       |          | 5  | 560            | 700                 | 1,400                |
| SB21   | 11/21/16 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB21   | 02/16/17 |  |                |                     |                      |
| SB22   | 02/24/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB22   | 05/19/14 |  |                |                     |                      |
| SB22   | 08/29/14 |  |                |                     |                      |
| SB22   | 11/21/14 |  |                |                     |                      |
| SB22   | 02/13/15 |  |                |                     |                      |
| SB22   | 05/21/15 |  |                |                     |                      |
| SB22   | 08/27/15 |  |                |                     |                      |
| Removed From Monitoring Plan - Plugged and Abandoned |          |  |                |                     |                      |
| SB22R  | 02/24/14 | 270  | 1,190          | 6.9                 | 598                  |
| SB22R  | 05/19/14 | 110  | 1,900          | 5.0                 | 1,600                |
| SB22R  | 08/29/14 | 270  | 730            | 19                  | 2,100                |
| SB22R  | 11/21/14 | 110  | 220            | <10                 | 1,100                |
| SB22R  | 02/13/15 | 22   | 5.5            | 2.4                 | 110                  |
| SB22R  | 05/21/15 | 31   | <5.0           | <1.0                | 140                  |
| SB22R  | 08/27/15 | <1.00  | <5.00          | <1.00               | 8.46                 |
| SB22R  | 11/24/15 | 2.34   | <5.00          | <1.00               | 21.8                 |
| SB22R  | 02/22/16 | 86.4   | 829            | 31.0                | 2,380                |
| SB22R  | 05/23/16 | 190  | 150            | 43                  | 750                  |
| SB22R  | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB22R  | 11/21/16 | 2.2  | 2.7            | 2.5                 | <1.0                 |
| SB22R  | 02/16/17 | 4.4  | <1.0           | 2.0                 | 1.1                  |
| SB23   | 02/24/14 | Not Sampled - LNAPL Present                          |                |                     |                      |
| SB23   | 05/19/14 |  |                |                     |                      |
| SB23   | 08/29/14 |  |                |                     |                      |
| SB23   | 11/21/14 |  |                |                     |                      |
| SB23   | 02/13/15 |  |                |                     |                      |
| SB23   | 05/21/15 |  |                |                     |                      |
| SB23   | 08/27/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB23   | 11/24/15 |  |                |                     |                      |
| SB23   | 02/22/16 |  |                |                     |                      |
| SB23   | 05/23/16 |  |                |                     |                      |
| SB23   | 08/15/16 |  |                |                     |                      |
| SB23   | 11/21/16 |  |                |                     |                      |
| SB23   | 02/16/17 |  |                |                     |                      |
| Removed From Monitoring Plan - Plugged and Abandoned |          |  |                |                     |                      |
| SB24   | 02/24/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB24   | 05/19/14 |  |                |                     |                      |
| SB24   | 08/29/14 |  |                |                     |                      |
| SB24   | 11/21/14 |  |                |                     |                      |
| SB24   | 02/13/15 |  |                |                     |                      |
| SB24   | 05/21/15 |  |                |                     |                      |
| SB24   | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                     |                      |
| SB24R  | 02/24/14 |  |                |                     |                      |
| SB24R  | 05/19/14 | 1.3  | <5.0           | <1.0                | <3.0                 |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)                                       | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|--|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>   | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB24R                 | 08/29/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB24R                 | 11/21/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB24R                 | 02/13/15 | <1.0   | <5.0           | <1.0                | 4.0                  |
| SB24R                 | 05/21/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB24R                 | 08/27/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB24R                 | 11/24/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB24R                 | 02/22/16 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB24R                 | 05/23/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB24R                 | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB24R                 | 11/21/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB24R                 | 02/16/17 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB25                  | 02/24/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB25                  | 05/19/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB25                  | 08/29/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB25                  | 11/21/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB25                  | 02/13/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB25                  | 05/21/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB25                  | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                     |                      |
| SB25R                 | 02/24/14 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB25R                 | 05/19/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB25R                 | 08/29/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB25R                 | 11/21/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB25R                 | 02/13/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB25R                 | 05/21/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB25R                 | 08/27/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB25R                 | 11/24/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB25R                 | 02/22/16 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB25R                 | 05/23/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB25R                 | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB25R                 | 11/21/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB25R                 | 02/16/17 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB26                  | 02/24/14 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB26                  | 05/19/14 | 3.0  | <5.0           | <1.0                | <3.0                 |
| SB26                  | 08/29/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB26                  | 11/21/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB26                  | 02/13/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB26                  | 05/21/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB26                  | 08/27/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB26                  | 11/24/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB26                  | 02/22/16 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB26                  | 05/23/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB26                  | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)                                       | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|--|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>   | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB26                  | 11/21/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB26                  | 02/16/17 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB27                  | 02/24/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB27                  | 05/19/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB27                  | 08/29/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB27                  | 11/21/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB27                  | 02/13/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB27                  | 05/21/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB27                  | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                     |                      |
| SB27R                 | 02/24/14 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB27R                 | 05/19/14 | 16   | <5.0           | <1.0                | <3.0                 |
| SB27R                 | 08/29/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB27R                 | 11/21/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB27R                 | 02/13/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB27R                 | 05/21/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB27R                 | 08/27/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB27R                 | 11/24/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB27R                 | 02/22/16 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB27R                 | 05/23/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB27R                 | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB27R                 | 11/21/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB27R                 | 02/16/17 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB28                  | 02/24/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB28                  | 05/19/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB28                  | 08/29/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB28                  | 11/21/14 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB28                  | 02/13/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB28                  | 05/21/15 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB28                  | 08/27/15 | Removed From Monitoring Plan - Plugged and Abandoned |                |                     |                      |
| SB28R                 | 02/24/14 | <1.0   | <1.0           | <1.0                | 3.01                 |
| SB28R                 | 05/19/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB28R                 | 08/29/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB28R                 | 11/21/14 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB28R                 | 02/13/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB28R                 | 05/21/15 | <1.0   | <5.0           | <1.0                | <3.0                 |
| SB28R                 | 08/27/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB28R                 | 11/24/15 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB28R                 | 02/22/16 | <1.00  | <5.00          | <1.00               | <3.00                |
| SB28R                 | 05/23/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB28R                 | 08/15/16 | <1.0   | <1.0           | <1.0                | <1.0                 |
| SB28R                 | 11/21/16 | Not Sampled - Insufficient Water                     |                |                     |                      |
| SB28R                 | 02/16/17 | <1.0   | <1.0           | <1.0                | <1.0                 |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)              | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|-----------------------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>                    | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB29                  | 02/24/14 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB29                  | 05/19/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB29                  | 08/29/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB29                  | 11/21/14 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB29                  | 02/13/15 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB29                  | 05/21/15 | <1.0                        | <5.0           | <1.0                | <3.0                 |
| SB29                  | 08/27/15 | <1.00                       | <5.00          | <1.00               | <3.00                |
| SB29                  | 11/24/15 | <1.00                       | <5.00          | <1.00               | <3.00                |
| SB29                  | 02/22/16 | <1.00                       | <5.00          | <1.00               | <3.00                |
| SB29                  | 05/23/16 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB29                  | 08/15/16 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB29                  | 11/21/16 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB29                  | 02/16/17 | <1.0                        | <1.0           | <1.0                | <1.0                 |
| SB30                  | 02/24/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 05/19/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 08/29/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 11/21/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 02/13/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 05/21/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 08/27/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 11/24/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 02/22/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 02/22/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 08/15/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 11/21/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB30                  | 02/16/17 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 02/24/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 05/19/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 08/29/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 11/21/14 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 02/13/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 05/21/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 08/27/15 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 02/22/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 02/22/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 05/23/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 08/15/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 11/21/16 | Not Sampled - LNAPL Present |                |                     |                      |
| SB31                  | 02/16/17 | Not Sampled - LNAPL Present |                |                     |                      |
| SB32                  | 02/24/14 | 1.1                         | 6.2            | <1.0                | 7.3                  |
| SB32                  | 03/31/14 | 3.6                         | 15             | <1.0                | 18                   |
| SB32                  | 05/19/14 | 5.2                         | 38             | 1.2                 | 91                   |



**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)                   | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|----------------------------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>                         | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB32                  | 08/29/14 | 4.9                              | 30             | 1.8                 | 220                  |
| SB32                  | 11/21/14 | <1.0                             | <5.0           | <1.0                | 7.1                  |
| SB32                  | 02/13/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB32                  | 05/21/15 | <1.0                             | <5.0           | <1.0                | 3.3                  |
| SB32                  | 08/27/15 | Not Sampled - Insufficient Water |                |                     |                      |
| SB32                  | 11/24/15 | Not Sampled - Insufficient Water |                |                     |                      |
| SB32                  | 02/22/16 | Not Sampled - Insufficient Water |                |                     |                      |
| SB32                  | 05/23/16 | Not Sampled - Insufficient Water |                |                     |                      |
| SB32                  | 08/15/16 | Not Sampled - Insufficient Water |                |                     |                      |
| SB32                  | 11/21/16 | Not Sampled - Insufficient Water |                |                     |                      |
| SB32                  | 02/16/17 | Not Sampled - Insufficient Water |                |                     |                      |
| SB33                  | 02/24/14 | Not Sampled - Insufficient Water |                |                     |                      |
| SB33                  | 05/19/14 | Not Sampled - Insufficient Water |                |                     |                      |
| SB33                  | 08/29/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB33                  | 11/21/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB33                  | 02/13/15 | <1.0                             | <5.0           | <1.0                | 6.2                  |
| SB33                  | 05/21/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB33                  | 08/27/15 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB33                  | 11/24/15 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB33                  | 02/22/16 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB33                  | 05/23/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB33                  | 08/15/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB33                  | 11/21/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB33                  | 02/16/17 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB34                  | 02/24/14 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB34                  | 05/19/14 | 1.1                              | <5.0           | <1.0                | <3.0                 |
| SB34                  | 08/29/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB34                  | 11/21/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB34                  | 02/13/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB34                  | 05/21/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB34                  | 08/27/15 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB34                  | 11/24/15 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB34                  | 02/22/16 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB34                  | 05/23/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB34                  | 08/15/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB34                  | 11/21/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB34                  | 02/16/17 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB35                  | 03/31/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB35                  | 05/19/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB35                  | 08/29/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB35                  | 11/21/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB35                  | 02/13/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L)                   | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|----------------------------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>                         | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB35                  | 05/21/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB35                  | 08/27/15 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB35                  | 11/24/15 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB35                  | 02/22/16 | <1.00                            | <5.00          | <1.00               | <3.00                |
| SB35                  | 05/23/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB35                  | 08/15/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB35                  | 11/21/16 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB35                  | 02/16/17 | <1.0                             | <1.0           | <1.0                | <1.0                 |
| SB36                  | 03/31/14 | <b>77</b>                        | <5.0           | 3.2                 | <3.0                 |
| SB36                  | 05/19/14 | <b>220</b>                       | <5.0           | <1.0                | <3.0                 |
| SB36                  | 08/29/14 | <b>240</b>                       | <5.0           | 4.7                 | <3.0                 |
| SB36                  | 11/21/14 | <b>120</b>                       | <25            | 6                   | <15                  |
| SB36                  | 02/13/15 | <b>64</b>                        | <25            | 170                 | <15                  |
| SB36                  | 05/21/15 | <b>36</b>                        | <25            | 480                 | <15                  |
| SB36                  | 08/27/15 | <b>140</b>                       | <25.0          | 27.5                | <b>2,460</b>         |
| SB36                  | 11/24/15 | <b>22.5</b>                      | <5.00          | <1.00               | 714                  |
| SB36                  | 02/22/16 | <5.00                            | <25.00         | <5.00               | 114                  |
| SB36                  | 05/23/16 | <1.0                             | <1.0           | <1.0                | 140                  |
| SB36                  | 08/15/16 | <1.0                             | <1.0           | <1.0                | 21                   |
| SB36                  | 11/21/16 | 3.2                              | 1.5            | 21                  | 160                  |
| SB36                  | 02/16/17 | 4.4                              | <1.0           | 49                  | 100                  |
| SB37                  | 03/31/14 | Not Sampled - Insufficient Water |                |                     |                      |
| SB37                  | 05/19/14 | <b>40</b>                        | 80             | <1.0                | 1,100                |
| SB37                  | 08/29/14 | <b>680</b>                       | <b>1,000</b>   | <20                 | <b>2,700</b>         |
| SB37                  | 11/21/14 | <b>390</b>                       | 470            | <20                 | 1,300                |
| SB37                  | 02/13/15 | <b>370</b>                       | <b>940</b>     | <20                 | <b>5,000</b>         |
| SB37                  | 05/21/15 | <b>150</b>                       | 200            | <20                 | 1,300                |
| SB37                  | 08/27/15 | <b>162</b>                       | <b>872</b>     | 20.2                | <b>1,980</b>         |
| SB37                  | 11/24/15 | <b>263</b>                       | <b>4,100</b>   | 129                 | <b>7,670</b>         |
| SB37                  | 02/22/16 | <b>488</b>                       | <b>8,070</b>   | 290                 | <b>10,200</b>        |
| SB37                  | 05/23/16 | Not Sampled - LNAPL Present      |                |                     |                      |
| SB37                  | 08/15/16 | Not Sampled - LNAPL Present      |                |                     |                      |
| SB37                  | 11/21/16 | Not Sampled - LNAPL Present      |                |                     |                      |
| SB37                  | 02/16/17 | Not Sampled - LNAPL Present      |                |                     |                      |
| SB38                  | 03/31/14 | <b>14</b>                        | 10             | 3.1                 | 32                   |
| SB38                  | 05/19/14 | <b>16</b>                        | <5.0           | <1.0                | <3.0                 |
| SB38                  | 08/29/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB38                  | 11/21/14 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB38                  | 02/13/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB38                  | 05/21/15 | <1.0                             | <5.0           | <1.0                | <3.0                 |
| SB38                  | 08/27/15 | <b>136</b>                       | <5.00          | <1.00               | <3.00                |
| SB38                  | 11/24/15 | 3.16                             | <5.00          | <1.00               | <3.00                |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|----------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>       | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB38                  | 02/22/16 | 2.11           | <5.00          | <1.00               | <3.00                |
| SB38                  | 05/23/16 | 1.7            | <1.0           | <1.0                | <1.0                 |
| SB38                  | 08/15/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB38                  | 11/21/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB38                  | 02/16/17 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB39                  | 04/18/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB39                  | 05/19/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB39                  | 08/29/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB39                  | 11/21/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB39                  | 02/13/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB39                  | 05/21/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB39                  | 08/27/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB39                  | 11/24/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB39                  | 02/22/16 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB39                  | 05/23/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB39                  | 08/15/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB39                  | 11/21/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB39                  | 02/16/17 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB40                  | 04/18/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB40                  | 05/19/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB40                  | 08/29/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB40                  | 11/21/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB40                  | 02/13/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB40                  | 05/21/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB40                  | 08/27/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB40                  | 11/24/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB40                  | 02/22/16 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB40                  | 05/23/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB40                  | 08/15/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB40                  | 11/21/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB40                  | 02/16/17 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB41                  | 04/18/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB41                  | 05/19/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB41                  | 08/29/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB41                  | 11/21/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB41                  | 02/13/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB41                  | 05/21/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB41                  | 08/27/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB41                  | 11/24/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB41                  | 02/22/16 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB41                  | 05/23/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB41                  | 08/15/16 | <1.0           | <1.0           | <1.0                | <1.0                 |

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

| Monitoring Well ID    | Date     | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|----------------|----------------|---------------------|----------------------|
| <b>COGCC Standard</b> |          | <b>5</b>       | <b>560</b>     | <b>700</b>          | <b>1,400</b>         |
| SB41                  | 11/21/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB41                  | 02/16/17 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB42                  | 04/18/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB42                  | 05/19/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB42                  | 08/29/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB42                  | 11/21/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB42                  | 02/13/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB42                  | 05/21/15 | <1.0           | <5.0           | <1.0                | <3.0                 |
| SB42                  | 08/27/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB42                  | 11/24/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB42                  | 02/22/16 | <1.00          | <5.00          | <1.00               | <3.00                |
| SB42                  | 05/23/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB42                  | 08/15/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB42                  | 11/21/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| SB42                  | 02/16/17 | <1.0           | <1.0           | <1.0                | <1.0                 |
| DUP (SB06)            | 02/24/14 | <1.0           | <1.0           | <1.0                | <1.0                 |
| DUP (SB08)            | 05/19/14 | 6,000          | 16,000         | 540                 | 12,000               |
| DUP (SB22R)           | 08/29/14 | 290            | 700            | <20                 | 2,200                |
| DUP (SB37)            | 11/21/14 | 400            | 530            | <20                 | 1,400                |
| DUP (SB37)            | 08/27/15 | 176            | 899            | 20.3                | 2,000                |
| DUPE (SB37)           | 11/24/15 | 233            | 1,080          | 70.5                | 1,730                |
| DUPE (SB37)           | 02/22/16 | 295            | 4,310          | 170                 | 6,270                |
| Dupe01 (SB10)         | 02/16/17 | 5,100          | 2,600          | 840                 | 11,000               |
| Trip Blank            | 02/24/14 | <1.0           | <1.0           | <1.0                | <1.0                 |
| Trip Blank            | 04/18/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| Trip Blank            | 05/19/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| Trip Blank            | 08/29/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| Trip Blank            | 11/21/14 | <1.0           | <5.0           | <1.0                | <3.0                 |
| Trip Blank            | 08/27/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| Trip Blank            | 11/24/15 | <1.00          | <5.00          | <1.00               | <3.00                |
| Trip Blank            | 02/22/16 | <1.00          | <5.00          | <1.00               | <3.00                |
| Red Cooler (TB-1)     | 11/18/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| Blue Cooler (TB-2)    | 11/18/16 | <1.0           | <1.0           | <1.0                | <1.0                 |
| Trip Blank Blue       | 02/16/17 | <1.0           | <1.0           | <1.0                | <1.0                 |
| Trip Blank Red        | 02/16/17 | <1.0           | <1.0           | <1.0                | <1.0                 |

COGCC = Colorado Oil and Gas Conservation Commission

µg/L = Micrograms per liter

< = Analytical result is less than the indicated laboratory reporting limit

LNAPL = Light non-aqueous phase liquid

DUP = Duplicate sample

Groundwater standards referenced from COGCC Table 910-1

**TABLE 4**  
**GROUNDWATER ANALYTICAL DATA**  
**NOBLE ENERGY, INC. - FRI 2-18 WELLHEAD AND TANK BATTERY LOCATION**

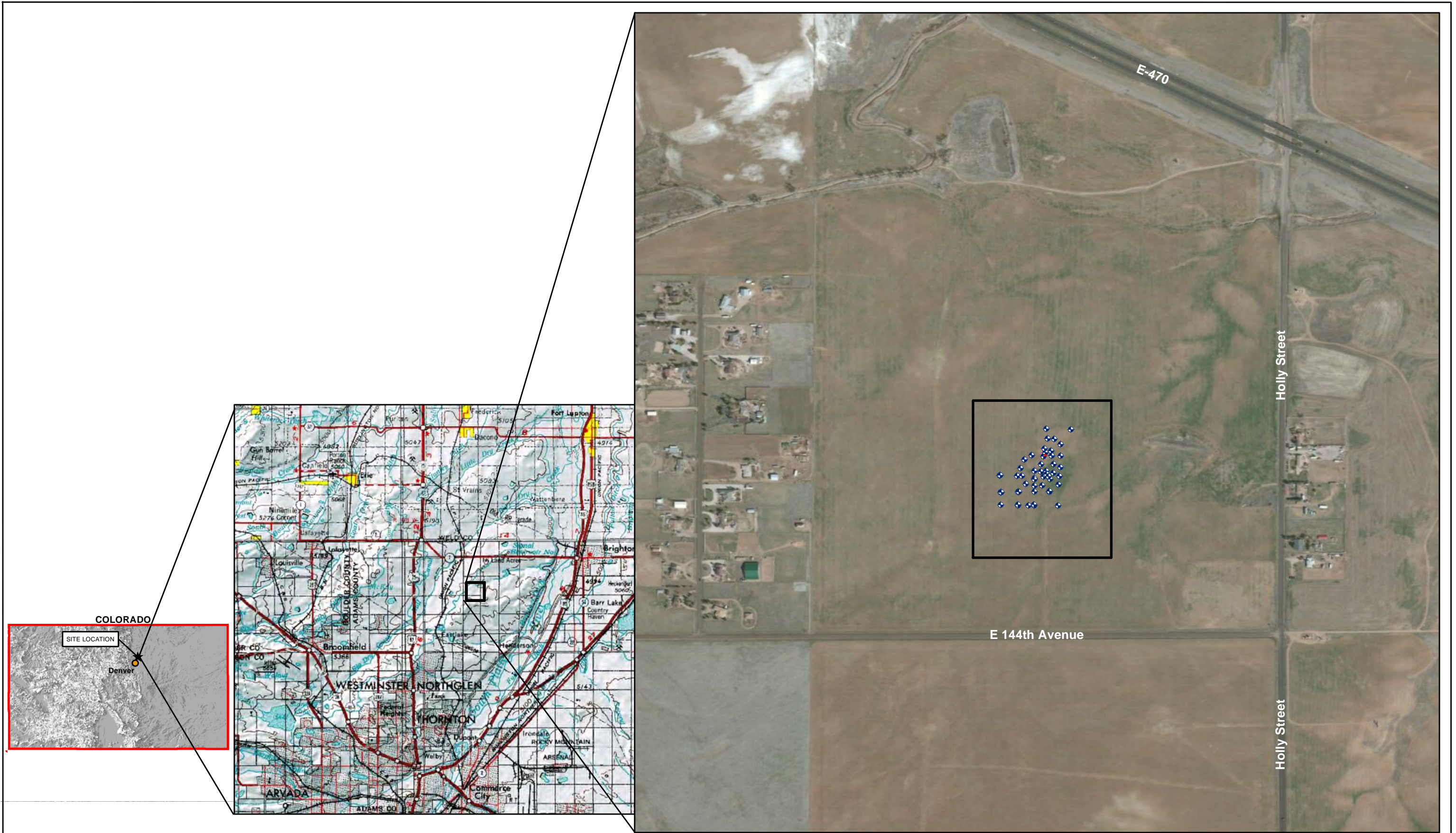
| Monitoring Well ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|--------------------|------|----------------|----------------|---------------------|----------------------|
| COGCC Standard     |      | 5              | 560            | 700                 | 1,400                |

Highlighted results exceed the COGCC Table 910-1 standard

This table presents data collected by Tasman Geosciences. Historical data is presented in Attachment A of the Form 27 Site Assessment Report (COGCC Document #2148980)

## FIGURES





|              |            |
|--------------|------------|
| DATE:        | April 2014 |
| DESIGNED BY: | D. Wade    |
| DRAWN BY:    | D. Arnold  |



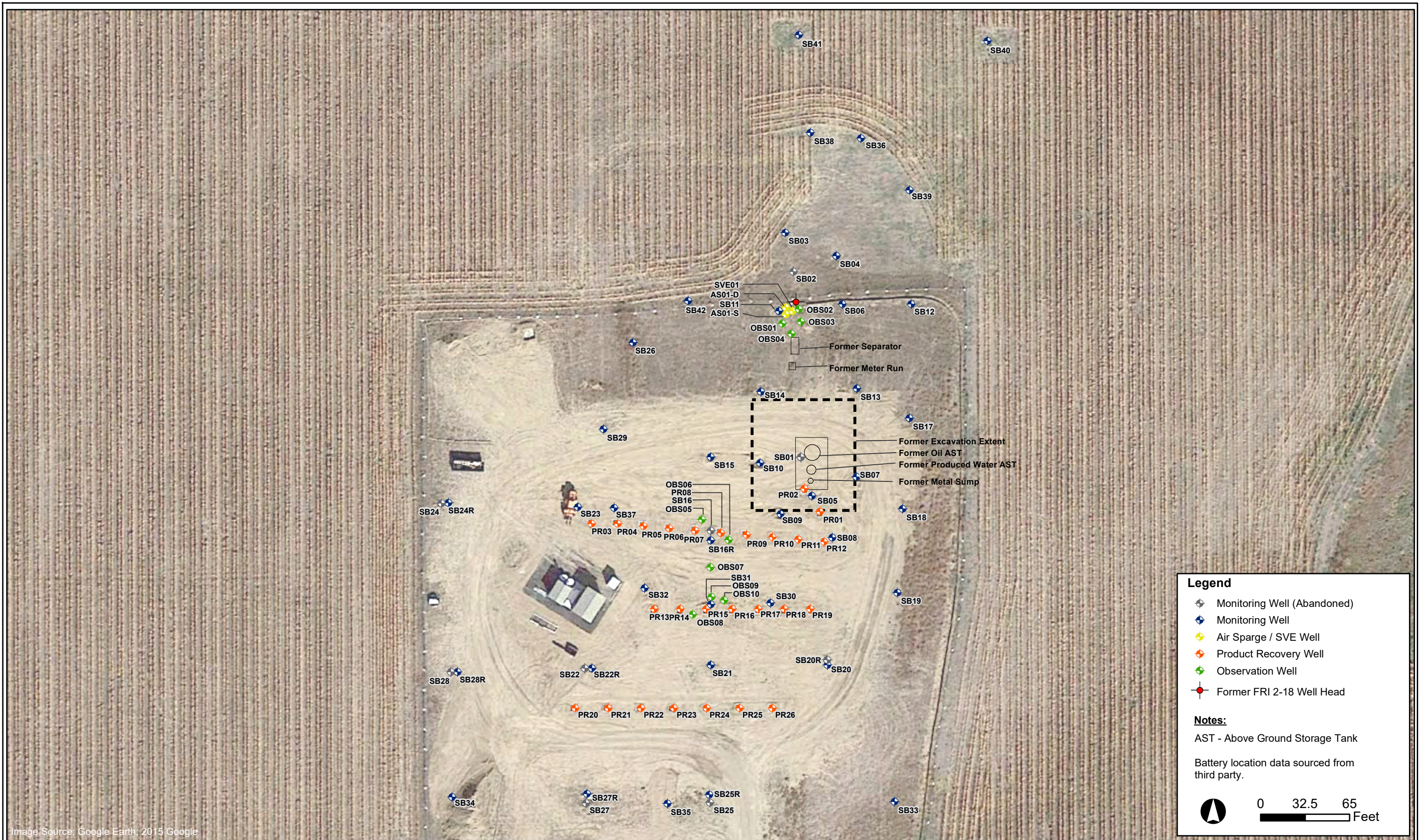
Tasman Geosciences, LLC  
6899 Pecos Street - Unit C  
Denver, CO 80221

**Noble Energy, Inc.**  
**Former Fri 2-18 Tank Battery**  
Section 18, Township 1 South, Range 67 West  
Adams County, Colorado

Site Location  
Map

Figure  
1





|              |            |
|--------------|------------|
| DATE:        | March 2016 |
| DESIGNED BY: | B. Bruns   |
| DRAWN BY:    | D. Arnold  |



Tasman Geosciences, Inc.  
6899 Pecos Street - Unit C  
Denver, CO 80221

**Noble Energy, Inc.**  
**Former Fri 2-18 Tank Battery**  
Section 18, Township 1 South, Range 67 West  
Adams County, Colorado

Site Map

Figure  
2





|              |               |
|--------------|---------------|
| DATE:        | December 2016 |
| DESIGNED BY: | B.Bruns       |
| DRAWN BY:    | D. Arnold     |



Tasman Geosciences, Inc.  
6899 Pecos Street - Unit C  
Denver, CO 80221

Noble Energy, Inc.  
Former Fri 2-18 Tank Battery  
Section 18, Township 1 South, Range 67 West  
Adams County, Colorado

TPH in Soil  
Map

Figure  
3





DATE: February 2017

DESIGNED BY: B.Bruns

DRAWN BY: D. Arnold



**Noble Energy, Inc.**  
**Former Fri 2-18 Tank Battery**  
Section 18, Township 1 South, Range 67 West  
Adams County, Colorado

LNAPL  
Thickness Map

Figure  
4



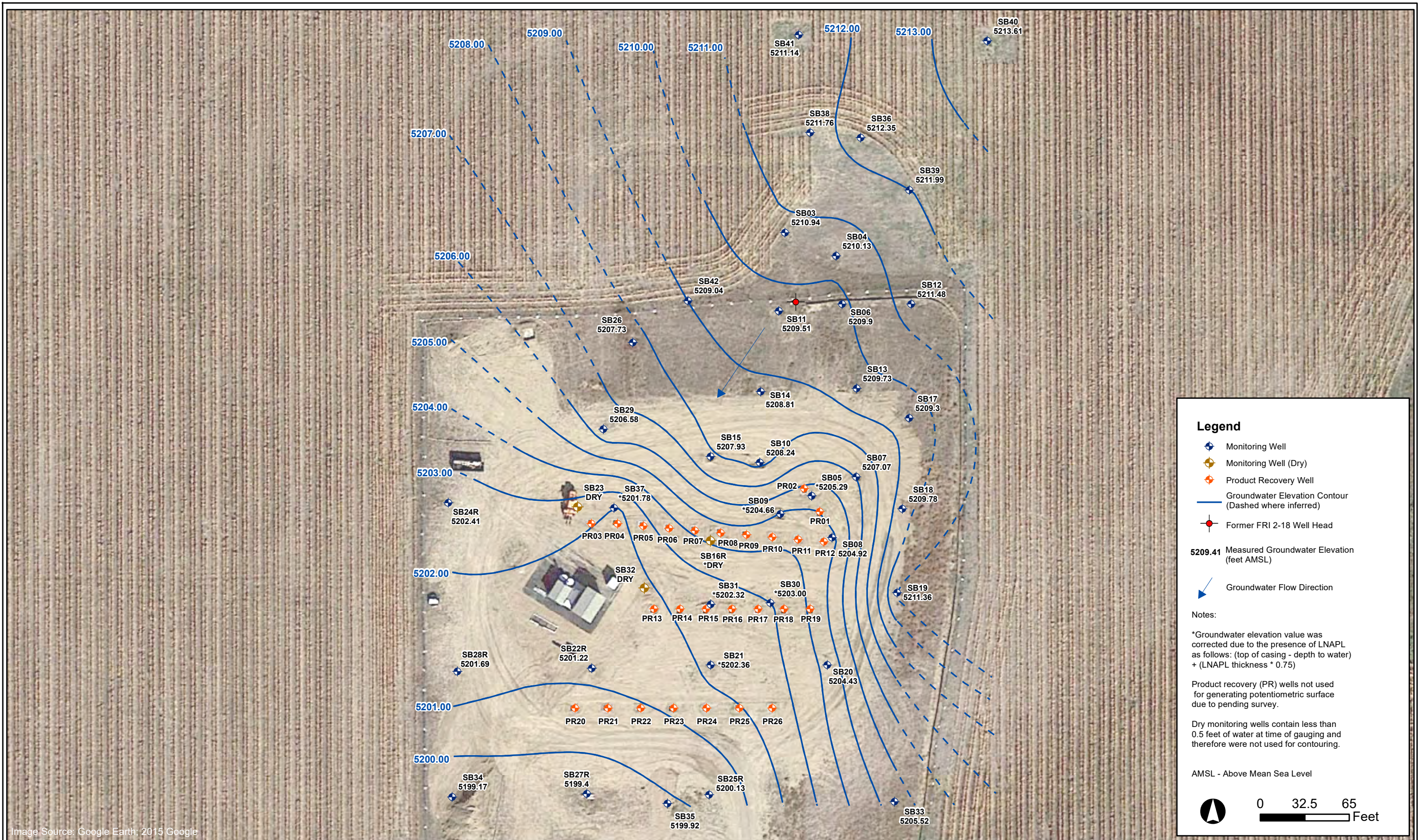


Image Source: Google Earth; 2015 Google

|              |            |
|--------------|------------|
| DATE:        | March 2017 |
| DESIGNED BY: | B. Brun    |
| DRAWN BY:    | D. Arnold  |



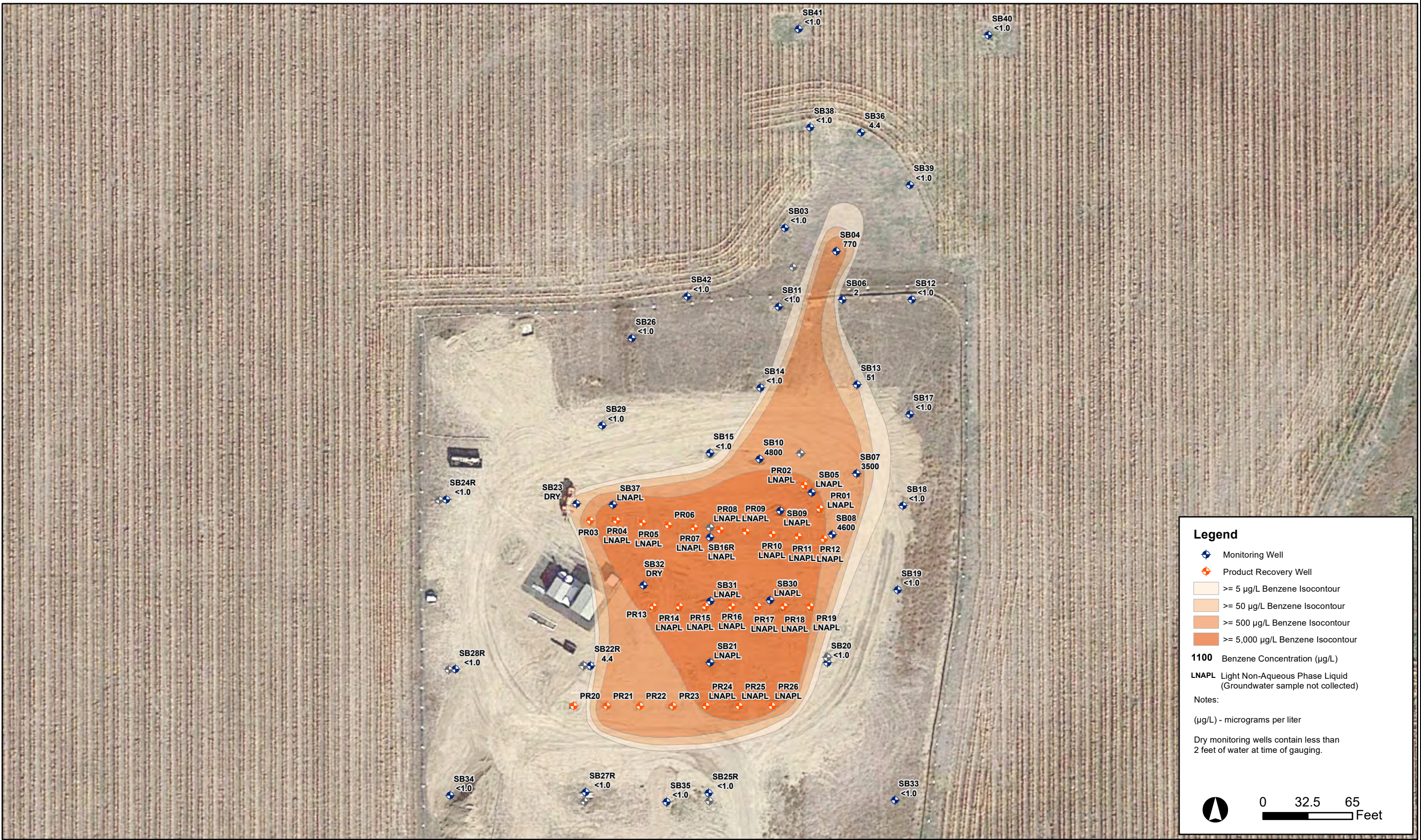
Tasman Geosciences, Inc.  
6899 Pecos Street - Unit C  
Denver, CO 80221

**Noble Energy, Inc.**  
**Former Fri 2-18 Tank Battery**  
Section 18, Township 1 South, Range 67 West  
Adams County, Colorado

Groundwater Potentiometric  
Surface Contour Map  
(02/13/2017)

Figure  
5





|              |            |
|--------------|------------|
| DATE:        | March 2017 |
| DESIGNED BY: | B.Bruns    |
| DRAWN BY:    | D. Arnold  |



Tasman Geosciences, Inc.  
6899 Pecos Street - Unit C  
Denver, CO 80221

**Noble Energy, Inc.**  
**Former Fri 2-18 Tank Battery**  
Section 18, Township 1 South, Range 67 West  
Adams County, Colorado

Benzene in Groundwater,  
Isoconcentration Contour  
Map  
(02/13/2017)

Figure  
6



Figure 7  
Noble FRI 2-18 Remediation System  
Daily Volume of LNAPL Removed - Barrels

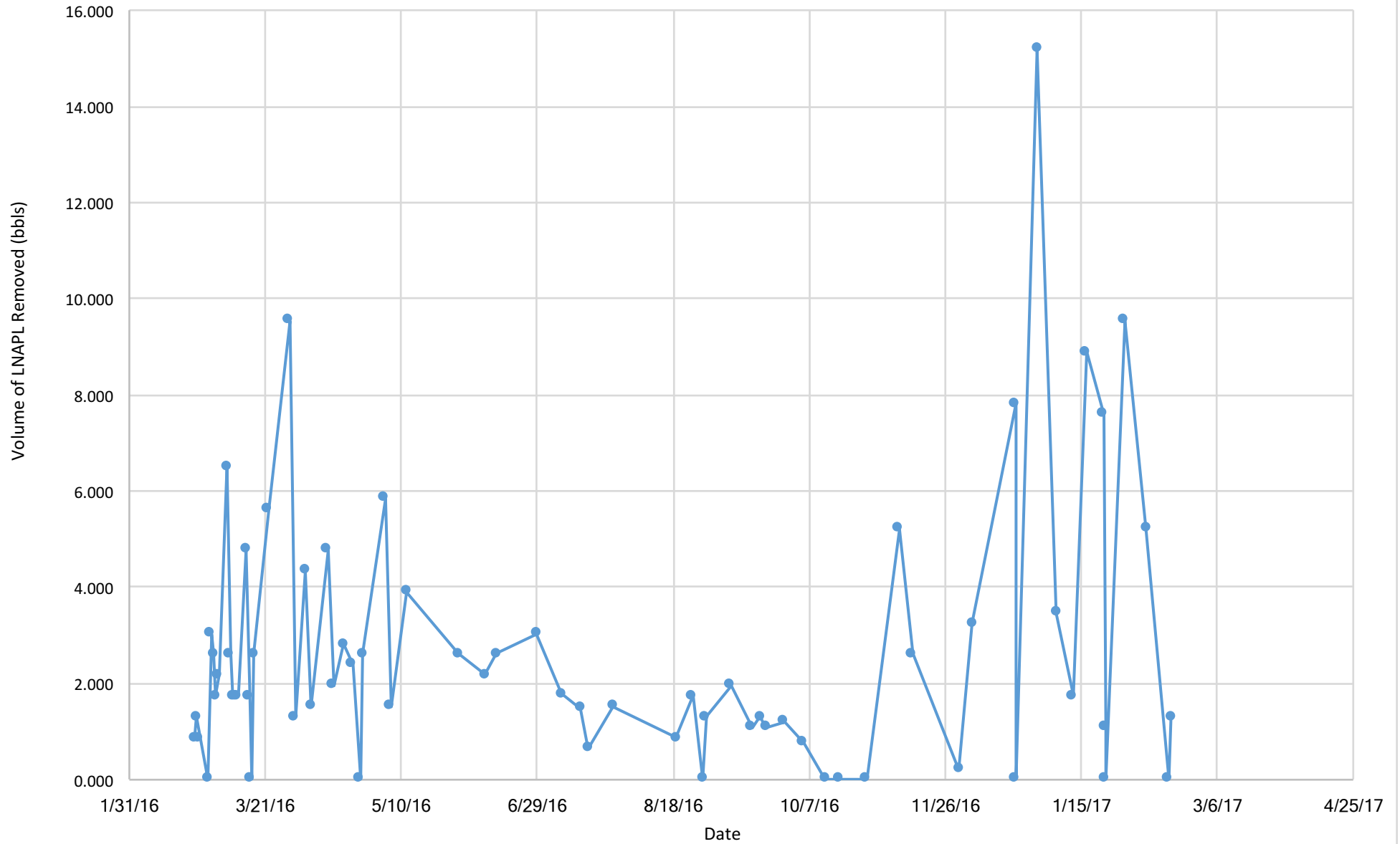
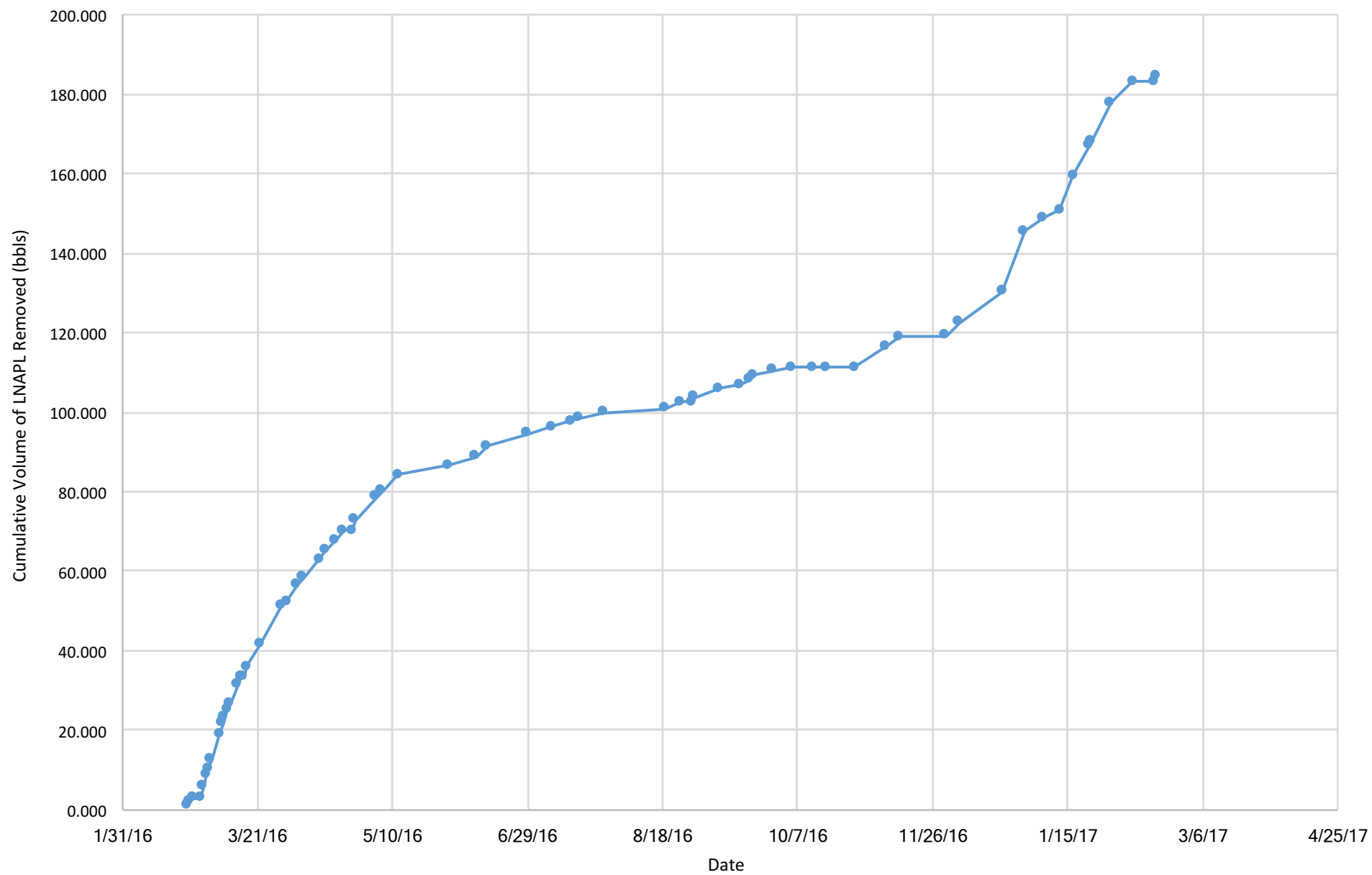


Figure 8  
Noble FRI 2-18 Remediation System  
Cumulative Volume of LNAPL Removed - Barrels



# **ATTACHMENT A**

## **LABORATORY ANALYTICAL DATA REPORT**

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 22, 2017

Brandon Bruns  
Tasman Geosciences  
6899 Pecos Street  
Denver, CO 80221  
RE: Fri 2-18

Enclosed are the results of analyses for samples received by Summit Scientific on 02/16/17 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury  
President





Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18

Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| SB03      | 1702133-01    | Water  | 02/16/17 09:22 | 02/16/17 16:30 |
| SB04      | 1702133-02    | Water  | 02/16/17 13:05 | 02/16/17 16:30 |
| SB06      | 1702133-03    | Water  | 02/16/17 09:30 | 02/16/17 16:30 |
| SB07      | 1702133-04    | Water  | 02/16/17 13:20 | 02/16/17 16:30 |
| SB08      | 1702133-05    | Water  | 02/16/17 13:31 | 02/16/17 16:30 |
| SB10      | 1702133-06    | Water  | 02/16/17 13:46 | 02/16/17 16:30 |
| SB11      | 1702133-07    | Water  | 02/16/17 11:56 | 02/16/17 16:30 |
| SB12      | 1702133-08    | Water  | 02/16/17 09:36 | 02/16/17 16:30 |
| SB13      | 1702133-09    | Water  | 02/16/17 12:30 | 02/16/17 16:30 |
| SB14      | 1702133-10    | Water  | 02/16/17 12:07 | 02/16/17 16:30 |
| SB15      | 1702133-11    | Water  | 02/16/17 12:42 | 02/16/17 16:30 |
| SB17      | 1702133-12    | Water  | 02/16/17 09:41 | 02/16/17 16:30 |
| SB18      | 1702133-13    | Water  | 02/16/17 09:47 | 02/16/17 16:30 |
| SB19      | 1702133-14    | Water  | 02/16/17 09:42 | 02/16/17 16:30 |
| SB20      | 1702133-15    | Water  | 02/16/17 09:57 | 02/16/17 16:30 |
| SB22R     | 1702133-16    | Water  | 02/16/17 12:18 | 02/16/17 16:30 |
| SB24R     | 1702133-17    | Water  | 02/16/17 10:45 | 02/16/17 16:30 |
| SB25R     | 1702133-18    | Water  | 02/16/17 10:10 | 02/16/17 16:30 |
| SB26      | 1702133-19    | Water  | 02/16/17 11:30 | 02/16/17 16:30 |
| SB27R     | 1702133-20    | Water  | 02/16/17 10:22 | 02/16/17 16:30 |
| SB28R     | 1702133-21    | Water  | 02/16/17 10:40 | 02/16/17 16:30 |
| SB29      | 1702133-22    | Water  | 02/16/17 11:20 | 02/16/17 16:30 |
| SB33      | 1702133-23    | Water  | 02/16/17 10:02 | 02/16/17 16:30 |
| SB34      | 1702133-24    | Water  | 02/16/17 10:30 | 02/16/17 16:30 |
| SB35      | 1702133-25    | Water  | 02/16/17 10:17 | 02/16/17 16:30 |
| SB36      | 1702133-26    | Water  | 02/16/17 09:10 | 02/16/17 16:30 |
| SB38      | 1702133-27    | Water  | 02/16/17 09:17 | 02/16/17 16:30 |

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18

Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID       | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------------|---------------|--------|----------------|----------------|
| SB39            | 1702133-28    | Water  | 02/16/17 09:00 | 02/16/17 16:30 |
| SB40            | 1702133-29    | Water  | 02/16/17 08:53 | 02/16/17 16:30 |
| SB41            | 1702133-30    | Water  | 02/16/17 08:45 | 02/16/17 16:30 |
| SB42            | 1702133-31    | Water  | 02/16/17 11:43 | 02/16/17 16:30 |
| Dupe01          | 1702133-32    | Water  | 02/16/17 00:00 | 02/16/17 16:30 |
| Trip Blank Blue | 1702133-33    | Water  | 02/16/17 08:30 | 02/16/17 16:30 |
| Trip Blank Red  | 1702133-34    | Water  | 02/16/17 08:30 | 02/16/17 16:30 |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18

Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

# Summit Scientific

S<sub>2</sub>

1702133.1

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 1 of 4

Client: Noble Energy Project Manager: Brandon Bruns  
Address: \_\_\_\_\_ E-Mail: bbruns@tasman-geo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: Fri 2-18  
Sampler Name: Jack W. Graham B. Kirk F. Math P. Project Number: \_\_\_\_\_

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |                  |      |                 | Matrix      |      |                |                 | Analysis Requested |      |              |       | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|------|--------------|-------|----------------------|
|    |                    |              |              |                 | HCl          | HNO <sub>3</sub> | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) | BTEX               | PAHs | Heavy Metals | Other |                      |
| 1  | SB03               | 2/16/17      | 922          | 3               |              |                  | X    |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 2  | SB04               | 2/16/17      | 1305         | 3               |              |                  | X    |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 3  | SB06               | 2/16/17      | 930          | 3               | X            |                  |      |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 4  | SB07               | 2/16/17      | 1320         | 3               |              |                  | X    |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 5  | SB08               | 2/16/17      | 1331         | 3               | X            |                  |      |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 6  | SB10               | 2/16/17      | 1346         | 3               |              |                  | X    |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 7  | SB11               | 2/16/17      | 1156         | 3               |              |                  | X    |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 8  | SB12               | 2/16/17      | 936          | 3               | X            |                  |      |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 9  | SB13               | 2/16/17      | 1230         | 3               | X            |                  |      |                 | X           |      |                |                 | X                  |      |              |       |                      |
| 10 | SB14               | 2/16/17      | 1207         | 3               | X            |                  |      |                 | X           |      |                |                 | X                  |      |              |       |                      |

|   |                                 |                                 |                                |  |                         |
|---|---------------------------------|---------------------------------|--------------------------------|--|-------------------------|
| Relinquished by: <u>[Signature]</u>                                   | Date/Time: <u>2/16/17 16:30</u> | Received by: <u>[Signature]</u> | Date/Time: <u>2/16/17 1630</u> | Turn Around Time (Check)   | Notes:<br><u>on ice</u> |
| Relinquished by: <u>[Signature]</u>                                   | Date/Time: <u>2/16/17 1715</u>  | Received by: <u>[Signature]</u> | Date/Time: <u>2/16/17 1715</u> | Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/>            |                         |
|   |                                 |                                 |                                | 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> |                         |
|   |                                 |                                 |                                | 48 hours <input type="checkbox"/>  |                         |
| Sample Integrity:   |                                 |                                 |                                | Temperature Upon Receipt: <u>5.9°C</u>   |                         |
| Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No |                                 |                                 |                                |  |                         |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18

Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

# Summit Scientific

S<sub>2</sub>

17 02133.2

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Client: Noble Energy Project Manager: Brandon Bruns Page 2 of 4  
Address: \_\_\_\_\_ E-Mail: bruns@tasman-geo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Project Name: Fri 2-18  
Project Number: \_\_\_\_\_  
Sampler Name: Jack W. Graham B. Matt P. Kate F

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |                  |      |                 | Matrix      |      |                |                 | Analysis Requested | Special Instructions |  |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|----------------------|--|
|    |                    |              |              |                 | HCl          | HNO <sub>3</sub> | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) |                    |                      |  |
| 1  | SB15               | 2/16/17      | 1242         | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 2  | SB17               | 2/16/17      | 941          | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 3  | SB18               | 2/16/17      | 947          | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 4  | SB19               | 2/16/17      | 952          | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 5  | SB20               | 2/16/17      | 957          | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 6  | SB22R              | 2/16/17      | 1218         | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 7  | SB24R              | 2/16/17      | 1045         | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 8  | SB25R              | 2/16/17      | 1010         | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 9  | SB26               | 2/16/17      | 1130         | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |
| 10 | SB27R              | 2/16/17      | 1022         | 3               | X            |                  |      |                 |             |      |                |                 |                    |                      |  |

|   |                                |                                 |                                |  |                             |
|---|--------------------------------|---------------------------------|--------------------------------|--|-----------------------------|
| Relinquished by: <u>[Signature]</u>   | Date/Time: <u>2/16/17 1613</u> | Received by: <u>[Signature]</u> | Date/Time: <u>2/16/17 1636</u> | Turn Around Time (Check)   | Notes:<br><br><u>on ice</u> |
| Relinquished by: <u>[Signature]</u>   | Date/Time: <u>2/16/17 1715</u> | Received by: <u>[Signature]</u> | Date/Time: <u>2-16-17 1715</u> | Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/>            |                             |
|   |                                |                                 |                                | 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> |                             |
|   |                                |                                 |                                | 48 hours <input type="checkbox"/>  |                             |
| Sample Integrity:   |                                |                                 |                                | Temperature Upon Receipt: <u>5.9°C</u>   |                             |
| Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                |                                 |                                |  |                             |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18

Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

# Summit Scientific

1702133.3

S<sub>2</sub>

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 3 of 4

Client: Noble Energy Project Manager: Brandon Bruns  
Address: \_\_\_\_\_ E-Mail: bbruns@tasman-geo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: Fri 2-18  
Sampler Name: Take W. Graham B. Matt P. Kate F. Project Number: \_\_\_\_\_

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |                  |      |                 | Matrix      |      |                |                 | Analysis Requested |  |  |  | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|--|--|--|----------------------|
|    |                    |              |              |                 | HCl          | HNO <sub>3</sub> | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) |                    |  |  |  |                      |
| 1  | SB28R              | 2/16/17      | 1040         | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 2  | SB29               | 2/16/17      | 1120         | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 3  | SB33               | 2/16/17      | 1002         | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 4  | SB34               | 2/16/17      | 1030         | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 5  | SB35               | 2/16/17      | 1017         | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 6  | SB36               | 2/16/17      | 910          | 3               |              |                  | X    |                 | X           |      |                |                 |                    |  |  |  |                      |
| 7  | SB38               | 2/16/17      | 917          | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 8  | SB39               | 2/16/17      | 900          | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 9  | SB40               | 2/16/17      | 853          | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |
| 10 | SB41               | 2/16/17      | 845          | 3               | X            |                  |      |                 | X           |      |                |                 |                    |  |  |  |                      |

|                                     |                                 |                                 |                                |                                       |                             |
|-------------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------------|-----------------------------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>2/16/17 16:30</u> | Received by: <u>[Signature]</u> | Date/Time: <u>2/16/17 1630</u> | Turn Around Time (Check)              | Notes:<br><br><u>on ice</u> |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>2/16/17 1715</u>  | Received by: <u>[Signature]</u> | Date/Time: <u>2-16-17 1715</u> | Same Day _____ 72 hours _____         |                             |
|                                     |                                 |                                 |                                | 24 hours _____ Standard <u>X</u>      |                             |
|                                     |                                 |                                 |                                | 48 hours _____                        |                             |
| Sample Integrity: <u>59°C</u>       |                                 |                                 |                                | Temperature Upon Receipt: <u>59°C</u> |                             |
| Intact: <u>Yes</u> No               |                                 |                                 |                                |                                       |                             |

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[Signature]



Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18

Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

# Summit Scientific

1702133.4

S<sub>2</sub>

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 4 of 4

Client: Noble Energy Project Manager: Brandon Bruns  
Address: \_\_\_\_\_ E-Mail: bruns@tasman-geo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: Fri 2-18  
Sampler Name: Jay W. Furman B. Matt P. Kate F Project Number: \_\_\_\_\_

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |                  |      |                 | Matrix      |      |                |                 | Analysis Requested |   |  |  | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|---|--|--|----------------------|
|    |                    |              |              |                 | HCl          | HNO <sub>3</sub> | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) |                    |   |  |  |                      |
| 1  | SB42               | 2/16/17      | 1143         | 3               | X            |                  |      |                 | X           |      |                |                 |                    |   |  |  |                      |
| 2  | Dye 01             | 2/16/17      | —            | 3               |              |                  |      |                 | X           |      |                |                 |                    |   |  |  |                      |
| 3  | Trip Blank (blue)  | 2/16/17      | 830          | 2               |              |                  |      |                 |             |      |                |                 | X                  | X |  |  |                      |
| 4  | Trip Blank (red)   | 2/16/17      | 830          | 2               |              |                  |      |                 |             |      |                |                 | X                  | X |  |  |                      |
| 5  |                    |              |              |                 |              |                  |      |                 |             |      |                |                 |                    |   |  |  |                      |
| 6  |                    |              |              |                 |              |                  |      |                 |             |      |                |                 |                    |   |  |  |                      |
| 7  |                    |              |              |                 |              |                  |      |                 |             |      |                |                 |                    |   |  |  |                      |
| 8  |                    |              |              |                 |              |                  |      |                 |             |      |                |                 |                    |   |  |  |                      |
| 9  |                    |              |              |                 |              |                  |      |                 |             |      |                |                 |                    |   |  |  |                      |
| 10 |                    |              |              |                 |              |                  |      |                 |             |      |                |                 |                    |   |  |  |                      |

|                                     |                                 |                                 |                                |   |                             |
|-------------------------------------|---------------------------------|---------------------------------|--------------------------------|---|-----------------------------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>2/16/17 16:30</u> | Received by: <u>[Signature]</u> | Date/Time: <u>2/16/17 1630</u> | Turn Around Time (Check)<br>Same Day <input type="checkbox"/> 72 hours <input checked="" type="checkbox"/><br>24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/><br>48 hours <input type="checkbox"/> | Notes:<br><br><u>on ice</u> |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>2/16/17 1715</u>  | Received by: <u>[Signature]</u> | Date/Time: <u>2-16-17 1715</u> | Sample Integrity:<br>Temperature Upon Receipt: <u>5.9°C</u>   |                             |
| Relinquished by: _____              | Date/Time: _____                | Received by: _____              | Date/Time: _____               | Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No   |                             |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18

Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

#### Sample Receipt Checklist

S2 Work Order: 1702133

Client: Noble Energy

Client Project ID: Fri 2-18

Shipped Via: P/U

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: \_\_\_\_\_

Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☒ Water ☐ Other: \_\_\_\_\_  
(Describe)

|           |            |  |  |  |  |
|-----------|------------|--|--|--|--|
| Cooler ID |            |  |  |  |  |
| Temp (°C) | <u>5.9</u> |  |  |  |  |

Thermometer ID: 61857155-K

|   | Yes                                 | No | N/A                                 | Comments (if any) |
|---|-------------------------------------|----|-------------------------------------|-------------------|
| If samples require cooling, was the temperature just above 0°C to ≤ 6°C <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |    |                                     |                   |
| NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun. |                                     |    |                                     |                   |
| Were all samples received intact <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |    |                                     |                   |
| Was adequate sample volume provided <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |    |                                     |                   |
| If custody seals are present, are they intact <sup>(1)</sup> ?  |                                     |    | <input checked="" type="checkbox"/> |                   |
| Are short holding time analytes or samples with HTs due within 48 hours present?  |                                     |    | <input checked="" type="checkbox"/> |                   |
| Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |    |                                     |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |    |                                     |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |    |                                     |                   |
| Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |    |                                     |                   |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative.  |                                     |    |                                     |                   |
| Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |    |                                     | HCL               |
| Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect  |                                     |    |                                     |                   |
| If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?  |                                     |    | <input checked="" type="checkbox"/> |                   |
| Record the pH in Comments.  |                                     |    |                                     |                   |
| If dissolved metals are requested, were samples field filtered?   |                                     |    | <input checked="" type="checkbox"/> |                   |
| Additional Comments (if any):   |                                     |    |                                     |                   |

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

Nakita  
Custodian Printed Name

[Signature]  
Signature or Initials of Custodian

2/16/17 1715  
Date/Time



Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB03**  
**1702133-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:22**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702187 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:22**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 95.0 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.8 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 97.7 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Brunns

**Reported:**  
02/22/17 14:57

**SB04**  
**1702133-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 13:05**

| Analyte                | Result      | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|-------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>770</b>  | 10                 | ug/l  | 10       | 1702187 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| <b>Toluene</b>         | <b>1.3</b>  | 1.0                | "     | 1        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>1100</b> | 10                 | "     | 10       | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>22</b>   | 1.0                | "     | 1        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 13:05**

| Analyte                                 | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 98.0 %             | 37-154 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 97.0 %             | 45-149 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 102 %              | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB06**  
**1702133-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:30**

| Analyte             | Result     | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------|------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>      | <b>2.0</b> | 1.0                | ug/l  | 1        | 1702187 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene             | ND         | 1.0                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b> | <b>2.1</b> | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)     | ND         | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:30**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 98.3 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.3 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.1 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Brunns

Reported:  
02/22/17 14:57

**SB07**  
**1702133-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 13:20**

| Analyte                | Result      | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|-------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>3500</b> | 100                | ug/l  | 100      | 1702187 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| <b>Toluene</b>         | <b>230</b>  | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>270</b>  | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>5800</b> | 100                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 13:20**

| Analyte                                 | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 99.5 %             | 37-154 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 103 %              | 45-149 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 98.3 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**SB08**  
**1702133-05 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 13:31**

| Analyte                | Result       | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>4600</b>  | 100                | ug/l  | 100      | 1702187 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| <b>Toluene</b>         | <b>5000</b>  | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>750</b>   | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>13000</b> | 100                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 13:31**

| Analyte                                 | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 97.4 %             | 37-154 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 100 %              | 45-149 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 105 %              | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Brunns

**Reported:**  
02/22/17 14:57

**SB10**  
**1702133-06 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 13:46**

| Analyte                | Result       | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>4800</b>  | 100                | ug/l  | 100      | 1702187 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| <b>Toluene</b>         | <b>2600</b>  | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>790</b>   | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>10000</b> | 100                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 13:46**

| Analyte                                 | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 96.1 %             | 37-154 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 99.4 %             | 45-149 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 99.9 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB11**  
**1702133-07 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 11:56**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702187 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 11:56**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 99.6 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 102 %              | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 97.9 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
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Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**SB12**  
**1702133-08 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:36**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702187 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:36**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 106 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 97.7 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 97.9 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
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Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Brunns

Reported:  
02/22/17 14:57

**SB13**  
**1702133-09 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 12:30**

| Analyte                | Result     | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>51</b>  | 1.0                | ug/l  | 1        | 1702187 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| <b>Toluene</b>         | <b>1.6</b> | 1.0                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>61</b>  | 1.0                | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>42</b>  | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 12:30**

| Analyte                                 | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 105 %              | 37-154 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 93.4 %             | 45-149 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 100 %              | 45-146 |          | "     | "        | "        | "      |       |

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Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB14**  
**1702133-10 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 12:07**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702187 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 12:07**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 103 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 97.1 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 100 %              | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
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Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**SB15**  
**1702133-11 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 12:42**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702187 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 12:42**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 109 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.0 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 103 %              | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
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Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB17**  
**1702133-12 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:41**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702187 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:41**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 102 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 95.9 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 99.8 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB18**  
**1702133-13 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:47**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:47**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 98.8 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.1 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 98.0 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB19**  
**1702133-14 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:42**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:42**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 97.7 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.4 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 97.5 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB20**  
**1702133-15 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:57**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:57**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 95.8 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.3 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.2 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB22R**  
**1702133-16 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 12:18**

| Analyte                | Result     | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>4.4</b> | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene                | ND         | 1.0                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>2.0</b> | 1.0                | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>1.1</b> | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 12:18**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 98.5 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 95.6 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 110 %              | 45-146 |          | "     | "        | "        | "      |       |

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB24R**  
**1702133-17 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 10:45**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 10:45**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 99.2 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.2 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.1 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**SB25R**  
**1702133-18 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 10:10**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 10:10**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 94.0 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 94.5 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.0 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB26**  
**1702133-19 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 11:30**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 11:30**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 99.1 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.9 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.4 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB27R**  
**1702133-20 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 10:22**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/17/17 | 02/17/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 10:22**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 97.0 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 97.5 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 97.4 %             | 45-146 |          | "     | "        | "        | "      |       |

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6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB28R**  
**1702133-21 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 10:40**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 10:40**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 96.2 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 97.5 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 94.5 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB29**  
**1702133-22 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 11:20**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 11:20**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 100 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 97.2 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 94.2 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB33**  
**1702133-23 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 10:02**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 10:02**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 96.5 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 95.9 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.3 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB34**  
**1702133-24 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 10:30**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 10:30**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 98.2 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.8 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 95.4 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB35**  
**1702133-25 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 10:17**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 10:17**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 103 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.4 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 90.2 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Brunns

**Reported:**  
02/22/17 14:57

**SB36**  
**1702133-26 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:10**

| Analyte                | Result     | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>4.4</b> | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene                | ND         | 1.0                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>49</b>  | 1.0                | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>100</b> | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:10**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 99.8 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.3 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 112 %              | 45-146 |          | "     | "        | "        | "      |       |

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**SB38**  
**1702133-27 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:17**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:17**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 97.2 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.7 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 99.3 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB39**  
**1702133-28 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 09:00**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 09:00**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 104 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.0 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 95.3 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**SB40**  
**1702133-29 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 08:53**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 08:53**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 96.2 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.5 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.4 %             | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB41**  
**1702133-30 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 08:45**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 08:45**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 95.1 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 95.3 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 94.7 %             | 45-146 |          | "     | "        | "        | "      |       |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

**Reported:**  
02/22/17 14:57

**SB42**  
**1702133-31 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 11:43**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702188 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 11:43**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 96.1 %             | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.5 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 96.4 %             | 45-146 |          | "     | "        | "        | "      |       |

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Brunns

**Reported:**  
02/22/17 14:57

**Dupe01**  
**1702133-32 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 00:00**

| Analyte                | Result       | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>5100</b>  | 100                | ug/l  | 100      | 1702188 | 02/21/17 | 02/21/17 | EPA 8260B |       |
| <b>Toluene</b>         | <b>2600</b>  | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>840</b>   | 100                | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>11000</b> | 100                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 00:00**

| Analyte                                 | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 93.8 %             | 37-154 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 96.3 %             | 45-149 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 101 %              | 45-146 |          | "     | "        | "        | "      |       |

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**Trip Blank Blue**  
**1702133-33 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 08:30**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702189 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 08:30**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 118 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.2 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 103 %              | 45-146 |          | "     | "        | "        | "      |       |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**Trip Blank Red**  
**1702133-34 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/16/17 08:30**

| Analyte         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0                | ug/l  | 1        | 1702189 | 02/18/17 | 02/18/17 | EPA 8260B |       |
| Toluene         | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0                | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/16/17 08:30**

| Analyte                          | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 112 %              | 37-154 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.3 %             | 45-149 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 100 %              | 45-146 |          | "     | "        | "        | "      |       |

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

| Analyte | Reporting |       |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
|         | Result    | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

#### Batch 1702187 - EPA 5030 Water MS

##### Blank (1702187-BLK1)

Prepared & Analyzed: 02/18/17

|                                  |      |     |      |      |  |      |        |  |  |  |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene                          | ND   | 1.0 | ug/l |      |  |      |        |  |  |  |
| Toluene                          | ND   | 1.0 | "    |      |  |      |        |  |  |  |
| Ethylbenzene                     | ND   | 1.0 | "    |      |  |      |        |  |  |  |
| Xylenes (total)                  | ND   | 1.0 | "    |      |  |      |        |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 12.8 |     | "    | 13.3 |  | 96.2 | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 13.1 |     | "    | 13.3 |  | 98.4 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.0 |     | "    | 13.3 |  | 97.3 | 45-146 |  |  |  |

##### LCS (1702187-BS1)

Prepared & Analyzed: 02/18/17

|                                  |      |     |      |      |  |      |        |  |  |  |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene                          | 29.2 | 1.0 | ug/l | 33.3 |  | 87.6 | 51-132 |  |  |  |
| Toluene                          | 33.4 | 1.0 | "    | 33.3 |  | 100  | 51-138 |  |  |  |
| Ethylbenzene                     | 37.9 | 1.0 | "    | 33.1 |  | 115  | 58-146 |  |  |  |
| m,p-Xylene                       | 71.8 | 2.0 | "    | 66.5 |  | 108  | 57-144 |  |  |  |
| o-Xylene                         | 33.6 | 1.0 | "    | 32.7 |  | 103  | 53-146 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 13.7 |     | "    | 13.3 |  | 103  | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 13.3 |     | "    | 13.3 |  | 99.5 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 12.1 |     | "    | 13.3 |  | 91.1 | 45-146 |  |  |  |

##### Matrix Spike (1702187-MS1)

Source: 1702131-01

Prepared & Analyzed: 02/18/17

|                                  |      |     |      |      |    |      |        |  |  |  |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene                          | 28.5 | 1.0 | ug/l | 33.3 | ND | 85.6 | 34-141 |  |  |  |
| Toluene                          | 32.9 | 1.0 | "    | 33.3 | ND | 98.7 | 27-151 |  |  |  |
| Ethylbenzene                     | 38.1 | 1.0 | "    | 33.1 | ND | 115  | 29-160 |  |  |  |
| m,p-Xylene                       | 72.9 | 2.0 | "    | 66.5 | ND | 110  | 20-166 |  |  |  |
| o-Xylene                         | 35.3 | 1.0 | "    | 32.7 | ND | 108  | 33-159 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 13.0 |     | "    | 13.3 |    | 97.7 | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 12.8 |     | "    | 13.3 |    | 96.1 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 14.2 |     | "    | 13.3 |    | 107  | 45-146 |  |  |  |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

| Analyte | Reporting |       |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
|         | Result    | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

**Batch 1702187 - EPA 5030 Water MS**

| Matrix Spike Dup (1702187-MSD1)  |      |     |      | Source: 1702131-01 |    | Prepared & Analyzed: 02/18/17 |        |       |    |  |
|----------------------------------|------|-----|------|--------------------|----|-------------------------------|--------|-------|----|--|
| Benzene                          | 28.7 | 1.0 | ug/l | 33.3               | ND | 86.2                          | 34-141 | 0.629 | 32 |  |
| Toluene                          | 30.9 | 1.0 | "    | 33.3               | ND | 92.6                          | 27-151 | 6.33  | 25 |  |
| Ethylbenzene                     | 37.4 | 1.0 | "    | 33.1               | ND | 113                           | 29-160 | 1.83  | 50 |  |
| m,p-Xylene                       | 71.2 | 2.0 | "    | 66.5               | ND | 107                           | 20-166 | 2.39  | 36 |  |
| o-Xylene                         | 34.7 | 1.0 | "    | 32.7               | ND | 106                           | 33-159 | 1.77  | 26 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.0 |     | "    | 13.3               |    | 112                           | 37-154 |       |    |  |
| Surrogate: Toluene-d8            | 12.4 |     | "    | 13.3               |    | 93.0                          | 45-149 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 14.1 |     | "    | 13.3               |    | 106                           | 45-146 |       |    |  |

**Batch 1702188 - EPA 5030 Water MS**

| Blank (1702188-BLK1)             |      |     |      | Prepared & Analyzed: 02/17/17 |  |      |        |  |  |  |
|----------------------------------|------|-----|------|-------------------------------|--|------|--------|--|--|--|
| Benzene                          | ND   | 1.0 | ug/l |                               |  |      |        |  |  |  |
| Toluene                          | ND   | 1.0 | "    |                               |  |      |        |  |  |  |
| Ethylbenzene                     | ND   | 1.0 | "    |                               |  |      |        |  |  |  |
| Xylenes (total)                  | ND   | 1.0 | "    |                               |  |      |        |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 12.7 |     | "    | 13.3                          |  | 95.3 | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 13.1 |     | "    | 13.3                          |  | 98.4 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.1 |     | "    | 13.3                          |  | 98.4 | 45-146 |  |  |  |
| LCS (1702188-BS1)                |      |     |      | Prepared & Analyzed: 02/17/17 |  |      |        |  |  |  |
| Benzene                          | 28.3 | 1.0 | ug/l | 33.3                          |  | 84.8 | 51-132 |  |  |  |
| Toluene                          | 32.7 | 1.0 | "    | 33.3                          |  | 98.1 | 51-138 |  |  |  |
| Ethylbenzene                     | 37.5 | 1.0 | "    | 33.1                          |  | 113  | 58-146 |  |  |  |
| m,p-Xylene                       | 71.1 | 2.0 | "    | 66.5                          |  | 107  | 57-144 |  |  |  |
| o-Xylene                         | 35.0 | 1.0 | "    | 32.7                          |  | 107  | 53-146 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 12.6 |     | "    | 13.3                          |  | 94.7 | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 13.0 |     | "    | 13.3                          |  | 97.7 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.1 |     | "    | 13.3                          |  | 98.2 | 45-146 |  |  |  |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

| Analyte | Reporting |       |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
|         | Result    | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

**Batch 1702188 - EPA 5030 Water MS**

**Matrix Spike (1702188-MS1)**

Source: 1702133-13

Prepared & Analyzed: 02/17/17

|                                  |      |     |      |      |    |      |        |  |  |  |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene                          | 27.9 | 1.0 | ug/l | 33.3 | ND | 83.8 | 34-141 |  |  |  |
| Toluene                          | 32.4 | 1.0 | "    | 33.3 | ND | 97.1 | 27-151 |  |  |  |
| Ethylbenzene                     | 37.2 | 1.0 | "    | 33.1 | ND | 112  | 29-160 |  |  |  |
| m,p-Xylene                       | 72.3 | 2.0 | "    | 66.5 | ND | 109  | 20-166 |  |  |  |
| o-Xylene                         | 35.4 | 1.0 | "    | 32.7 | ND | 108  | 33-159 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 13.7 |     | "    | 13.3 |    | 103  | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 13.1 |     | "    | 13.3 |    | 98.3 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.1 |     | "    | 13.3 |    | 98.5 | 45-146 |  |  |  |

**Matrix Spike Dup (1702188-MSD1)**

Source: 1702133-13

Prepared & Analyzed: 02/17/17

|                                  |      |     |      |      |    |      |        |        |    |  |
|----------------------------------|------|-----|------|------|----|------|--------|--------|----|--|
| Benzene                          | 27.9 | 1.0 | ug/l | 33.3 | ND | 83.8 | 34-141 | 0.00   | 32 |  |
| Toluene                          | 32.3 | 1.0 | "    | 33.3 | ND | 97.0 | 27-151 | 0.0309 | 25 |  |
| Ethylbenzene                     | 36.4 | 1.0 | "    | 33.1 | ND | 110  | 29-160 | 2.23   | 50 |  |
| m,p-Xylene                       | 99.1 | 2.0 | "    | 66.5 | ND | 149  | 20-166 | 31.3   | 36 |  |
| o-Xylene                         | 33.8 | 1.0 | "    | 32.7 | ND | 104  | 33-159 | 4.57   | 26 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 13.8 |     | "    | 13.3 |    | 104  | 37-154 |        |    |  |
| Surrogate: Toluene-d8            | 12.7 |     | "    | 13.3 |    | 95.3 | 45-149 |        |    |  |
| Surrogate: 4-Bromofluorobenzene  | 13.0 |     | "    | 13.3 |    | 97.2 | 45-146 |        |    |  |

**Batch 1702189 - EPA 5030 Water MS**

**Blank (1702189-BLK1)**

Prepared & Analyzed: 02/18/17

|                                  |      |     |      |      |  |      |        |  |  |  |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene                          | ND   | 1.0 | ug/l |      |  |      |        |  |  |  |
| Toluene                          | ND   | 1.0 | "    |      |  |      |        |  |  |  |
| Ethylbenzene                     | ND   | 1.0 | "    |      |  |      |        |  |  |  |
| Xylenes (total)                  | ND   | 1.0 | "    |      |  |      |        |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 14.7 |     | "    | 13.3 |  | 110  | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 12.7 |     | "    | 13.3 |  | 95.4 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.5 |     | "    | 13.3 |  | 101  | 45-146 |  |  |  |

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: Fri 2-18  
Project Number: [none]  
Project Manager: Brandon Bruns

Reported:  
02/22/17 14:57

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

| Analyte | Reporting |       |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
|         | Result    | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

**Batch 1702189 - EPA 5030 Water MS**

**LCS (1702189-BS1)**

Prepared & Analyzed: 02/18/17

|                                  |      |     |      |      |  |     |        |  |  |  |
|----------------------------------|------|-----|------|------|--|-----|--------|--|--|--|
| Benzene                          | 37.9 | 1.0 | ug/l | 33.3 |  | 114 | 51-132 |  |  |  |
| Toluene                          | 37.0 | 1.0 | "    | 33.3 |  | 111 | 51-138 |  |  |  |
| Ethylbenzene                     | 40.1 | 1.0 | "    | 33.1 |  | 121 | 58-146 |  |  |  |
| m,p-Xylene                       | 73.3 | 2.0 | "    | 66.5 |  | 110 | 57-144 |  |  |  |
| o-Xylene                         | 38.0 | 1.0 | "    | 32.7 |  | 116 | 53-146 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.2 |     | "    | 13.3 |  | 114 | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 13.6 |     | "    | 13.3 |  | 102 | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.4 |     | "    | 13.3 |  | 101 | 45-146 |  |  |  |

**Matrix Spike (1702189-MS1)**

Source: 1702125-02

Prepared & Analyzed: 02/18/17

|                                  |      |     |      |      |      |      |        |  |  |  |
|----------------------------------|------|-----|------|------|------|------|--------|--|--|--|
| Benzene                          | 52.2 | 1.0 | ug/l | 33.3 | 24.2 | 84.1 | 34-141 |  |  |  |
| Toluene                          | 37.9 | 1.0 | "    | 33.3 | ND   | 114  | 27-151 |  |  |  |
| Ethylbenzene                     | 42.5 | 1.0 | "    | 33.1 | 2.61 | 121  | 29-160 |  |  |  |
| m,p-Xylene                       | 81.7 | 2.0 | "    | 66.5 | 14.7 | 101  | 20-166 |  |  |  |
| o-Xylene                         | 39.8 | 1.0 | "    | 32.7 | 1.41 | 117  | 33-159 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.7 |     | "    | 13.3 |      | 118  | 37-154 |  |  |  |
| Surrogate: Toluene-d8            | 13.3 |     | "    | 13.3 |      | 100  | 45-149 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.6 |     | "    | 13.3 |      | 102  | 45-146 |  |  |  |

**Matrix Spike Dup (1702189-MSD1)**

Source: 1702125-02

Prepared & Analyzed: 02/18/17

|                                  |      |     |      |      |      |      |        |      |    |  |
|----------------------------------|------|-----|------|------|------|------|--------|------|----|--|
| Benzene                          | 53.5 | 1.0 | ug/l | 33.3 | 24.2 | 88.1 | 34-141 | 2.52 | 32 |  |
| Toluene                          | 40.3 | 1.0 | "    | 33.3 | ND   | 121  | 27-151 | 6.03 | 25 |  |
| Ethylbenzene                     | 43.3 | 1.0 | "    | 33.1 | 2.61 | 123  | 29-160 | 1.89 | 50 |  |
| m,p-Xylene                       | 83.1 | 2.0 | "    | 66.5 | 14.7 | 103  | 20-166 | 1.74 | 36 |  |
| o-Xylene                         | 41.1 | 1.0 | "    | 32.7 | 1.41 | 121  | 33-159 | 3.21 | 26 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.9 |     | "    | 13.3 |      | 119  | 37-154 |      |    |  |
| Surrogate: Toluene-d8            | 13.5 |     | "    | 13.3 |      | 101  | 45-149 |      |    |  |
| Surrogate: 4-Bromofluorobenzene  | 13.7 |     | "    | 13.3 |      | 103  | 45-146 |      |    |  |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Project: Fri 2-18

Project Number: [none]  
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**Reported:**  
02/22/17 14:57

### Notes and Definitions

|     |  |
|-----|--|
| DET | Analyte DETECTED                                     |
| ND  | Analyte NOT DETECTED at or above the reporting limit |
| NR  | Not Reported   |
| dry | Sample results reported on a dry weight basis        |
| RPD | Relative Percent Difference                          |