

January 30, 2018

Mr. Alex Fischer
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

Mr. Andy Hawk
BP America Production Company
380-A Airport Road
Durango, Colorado 81303

**RE: 4M Operations and Maintenance Report
August 2016 through December 2017**

Dear Mr. Fischer and Mr. Hawk:

LT Environmental, Inc. (LTE) is pleased to submit this Operations and Maintenance (O&M) Report for the 4M Outcrop Mitigation Project in La Plata County, Colorado, to the Colorado Oil and Gas Conservation Commission (COGCC) of the Department of Natural Resources (DNR) and BP America Production Company (BP America). This report includes the reporting period for August 26, 2016, to December 13, 2017.

Background

The objective of the 4M methane mitigation system is to demonstrate the technical viability to recover and use methane seepage at specific locations where methane seeps to the surface along the Fruitland Formation Outcrop. An additional goal of the mitigation system is to protect the environment, which includes reducing carbon emissions and improving plant growth. To accomplish these objectives, LTE designed and installed vapor collection and barrier systems for methane collection at the South Fork Texas Creek (SFTC) site (Figure 1) and the Pine River (PR) site (Figure 2). At the SFTC site, the recovered methane is used to fuel a turbine, which generates electricity to operate the collection system. The turbine returns the excess generated power to the local electrical grid for credit as a renewable energy resource. Methane concentrations are too low to combust at the PR site, so recovered methane is vented to the atmosphere. The initial design, installation, and startup of the 4M methane mitigation systems were completed in 2008 and 2009. O&M activities beginning May 2009 are detailed in previous O&M reports completed by LTE.

During June 2010, the SFTC system was expanded to increase methane collection. A collection liner designed to direct vapors into the existing collection system was installed beneath the creek, and 32 diagonal well points were installed along the creek and piped into the existing manifold. In addition, gas from a COGCC monitoring well was piped to the collection system. The monitoring well source was not sustainable, and the line was shut-in and the well returned to monitoring status in late 2010.



The PR system was changed to a passive venting system on July 6, 2012. The blower was shut down, and the valves were adjusted to allow recovered methane within the subsurface piping to vent. A wind-driven turbine ventilator was added to the system stack to assist with methane venting. Field instrumentation was used to monitor methane concentrations in the ventilation piping. The vegetation was observed for negative effects from methane seepage.

Mitigation System Operations and Maintenance

Routine system operations are conducted at both sites. O&M activities included maintaining the equipment per manufacturer instructions, collecting data used to evaluate system performance, and adjusting the operating parameters to optimize system effectiveness. Operational parameters were recorded and included methane and oxygen concentrations in the collected gas, operational hours for the blower and turbine generator, applied vacuum to the subsurface piping, and electrical generation by the turbine.

Activities conducted during the reporting period included:

- Conducting routine O&M activities to monitor and adjust system performance;
- Field screening the inlet gas quality;
- Reviewing gas quality measurements stored in the data loggers and obtaining weather station data;
- Changing oil, oil filters, an oil separator, and a coalescing filter in the gas compressor system;
- Changing the air and fuel filters on the turbine;
- Replacing the serpentine belt on the compressor;
- Installing a pneumatic auto drain for the desiccant dryer tank; and
- Conducting non-routine O&M services and troubleshooting as described below.

Non-routine O&M problems that decreased system efficiency at SFTC included periodic weather-related electrical grid power outages, a methane sensor malfunction, and excess water vapor in the gas stream.

In July 2016, a new type of desiccant was introduced to the system to counteract water vapor issues. This caused excess water in the dryer tank. The system was shut down on August 26, 2016, to prevent damage to the compressor. On November 11, 2016, the system was restarted. After the system was returned on line, the IR Industries methane sensor failed and caused a subsequent shut down. The sensor was removed on December 8, 2016, and shipped back to the manufacturer for repairs. The methane sensor was reinstalled on January 6, 2017. During the time the system was not running, a parameter on the controller changed and caused the system to shut down again. The controller issue was repaired on January 10, 2017, and the system was returned on line. The system ran consistently until it was shut down to install the auto drain for the dryer tank on March 13,



2017. The auto drain installation was completed on March 17, 2017. After the drain was installed, the system ran consistently until July 2017. Adjustments were made to the installation of the auto drain to fix issues that were causing the system to shut down. The system had periodic shutdowns due to the failing methane sensor from July 2017 to August 2017. On August 29, 2017, the methane sensor was replaced and the system was online consistently until October 2017 when a clogged fuel filter caused the system to shut down. On October 31, 2017, a new fuel filter was installed in the turbine fuel gas supply line. The system operated normally until November 17, 2017, when the belt on the compressor failed and put the system off-line. Once the belt was replaced, the system ran consistently through the end of 2017.

Operations Summary

During normal operations, gas composition and flow remained fairly consistent at both sites, with higher gas quality recorded at the SFTC system. During the reporting period, methane concentrations remained relatively stable (averaging 99 percent [%]) at the SFTC site (Figure 3). At the PR site, methane concentrations averaged 0.14% during the reporting year (Figure 4). O&M data are provided in Table 1 for the SFTC site, manifold gas concentrations for the SFTC site are provided in Table 2, and manifold gas concentrations for the PR site are provided in Table 3.

The percentage of methane gas recovered was measured at both sites. At the SFTC site, a methane flow rate was calculated using the methane concentrations and total metered flow. The average flow rate and cumulative recovered methane are plotted over time on Figure 5 for the SFTC site. The average collected gas flow for the reporting period was approximately 361 cubic feet per hour (cfh).

The SFTC system produces the gas needed to operate the turbine, and excess gas is re-circulated within the compression system. The turbine generator was set at 11 kilowatt (kW) output following operational difficulties encountered during 2011. With optimum system operations using approximately 6 kW of electrical power, the remaining 5 kW are distributed into the electrical grid for a net gain.

The system operations commenced on May 5, 2009, with an electrical meter reading of 51,540 kilowatt-hours (kW-h). From startup to March 2011, the electrical meter reading was reduced to zero then the meter rolled to 99,999 kW-h. In October 2013, the electric meter was reduced to zero then rolled over to 99,999 kW-h. In July 2015, a new meter was installed, which reset the reading to 99,999 kW-h. On December 13, 2017, the reading was 72,504 kW-h. These readings indicate that 255,028 kW-h have been returned to the grid since system operations commenced (Figure 6). The value of the electricity generated to date has been used to offset electrical usage at the PR site and to offset costs for administrative fees associated with the SFTC electrical service. The remainder of the net generation is held as a credit for the electrical service to the two facilities.

Vegetation Observations



Plant growth at both sites has occurred in areas previously devoid of vegetative growth. At the SFTC site, the edges of the liners are evident due to an absence of vegetation where excess methane seeps from beneath the liner. At the PR site, the location of the vent piping is not obvious, as an overall decrease in methane seepage and subsequent vegetation rebound has been observed.

During spring and early summer 2015, an improvement in drought conditions in the region allowed for some improved recovery in the vegetation at the SFTC site; this recovery continued during the 2016 summer. In 2017, recovery of the vegetation progressed even more as rainfall totals increased from previous years. The condition of vegetation in the wetland area is consistent with vegetation upstream and downstream of the site along the South Fork of Texas Creek showing signs of drought relief over the past three years.

Weather Data

The weather station currently in use was installed in June 2010. The weather station was installed to monitor conditions that may affect methane recovery and system operations. Currently, the system operations do not appear to be limited by the volume of methane recovered or affected by variable weather conditions. The daily maximum and minimum temperatures (Figure 7), monthly precipitation (Figure 8), and the daily barometric pressure values (Figure 9) are provided.

Other Monitoring Activities

On July 13, 2017, the annual Fruitland Formation Outcrop monitoring survey was completed in the area of the SFTC system, and on July 17, 2017, the survey was completed in the area of the PR site. The results from the 2017 survey are indicated on Figure 1 for SFTC and Figure 2 for PR. The data indicated seepage from areas surrounding the system collection area at SFTC.

Planned Activities

The electrical generation results, along with visual observations of vegetation growth, suggest the methane mitigation system is operating successfully. During the next reporting period, the SFTC system will continue operations to optimize electrical generation and monitoring hydrogen sulfide and methane concentrations. To help reduce the chances of a low-methane shutdown, LTE will add a constant flow regulator to the methane sensor to reduce the effect that fluctuations in discharge pressure have on the methane readings, which have resulted in periodic system shut downs. LTE will continue to exchange replaceable parts in accordance with the manufacturer's specifications to maintain optimum efficiency of the system.

The PR system will continue to be monitored for methane concentrations within the collection lines and for any changes to the vegetation.

Continued evaluation of improvements to system performances will be accomplished.

LTE appreciates the opportunity to provide these services to the COGCC and BP America. Please call us at (303) 433-9788 if you have any questions or comments regarding this report.





Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read "Devin Hencmann".

Devin Hencmann
Project Geologist

A handwritten signature in black ink, appearing to read "Christopher E. Shephard, P.E.".

Christopher E. Shephard, P.E.
Project Manager

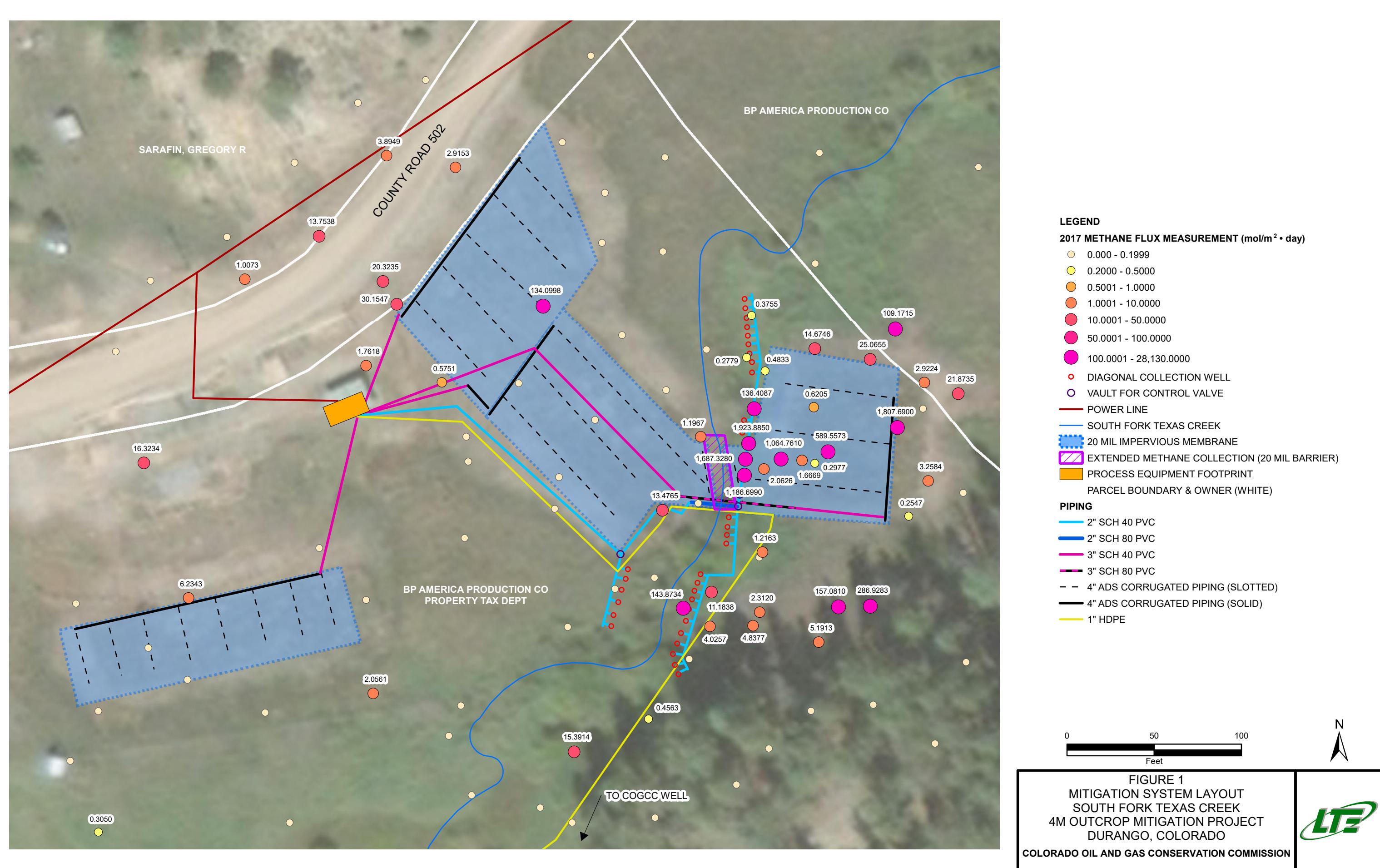
Attachments:

- Figure 1 – Mitigation System Layout South Fork Texas Creek
- Figure 2 – Mitigation System Layout Pine River
- Figure 3 – South Fork Texas Creek Methane Concentrations
- Figure 4 – Pine River Methane Concentrations
- Figure 5 – South Fork Texas Creek Methane Gas Flow
- Figure 6 – South Fork Texas Creek Surplus Electricity Generated
- Figure 7 – Daily Minimum and Maximum Temperature
- Figure 8 – Monthly Precipitation
- Figure 9 – Daily Barometric Pressure
- Table 1 – Operations and Maintenance Data South Fork Texas Creek
- Table 2 – Gas Concentrations at Manifold South Fork Texas Creek
- Table 3 – Gas Concentrations at Manifold Pine River



FIGURES





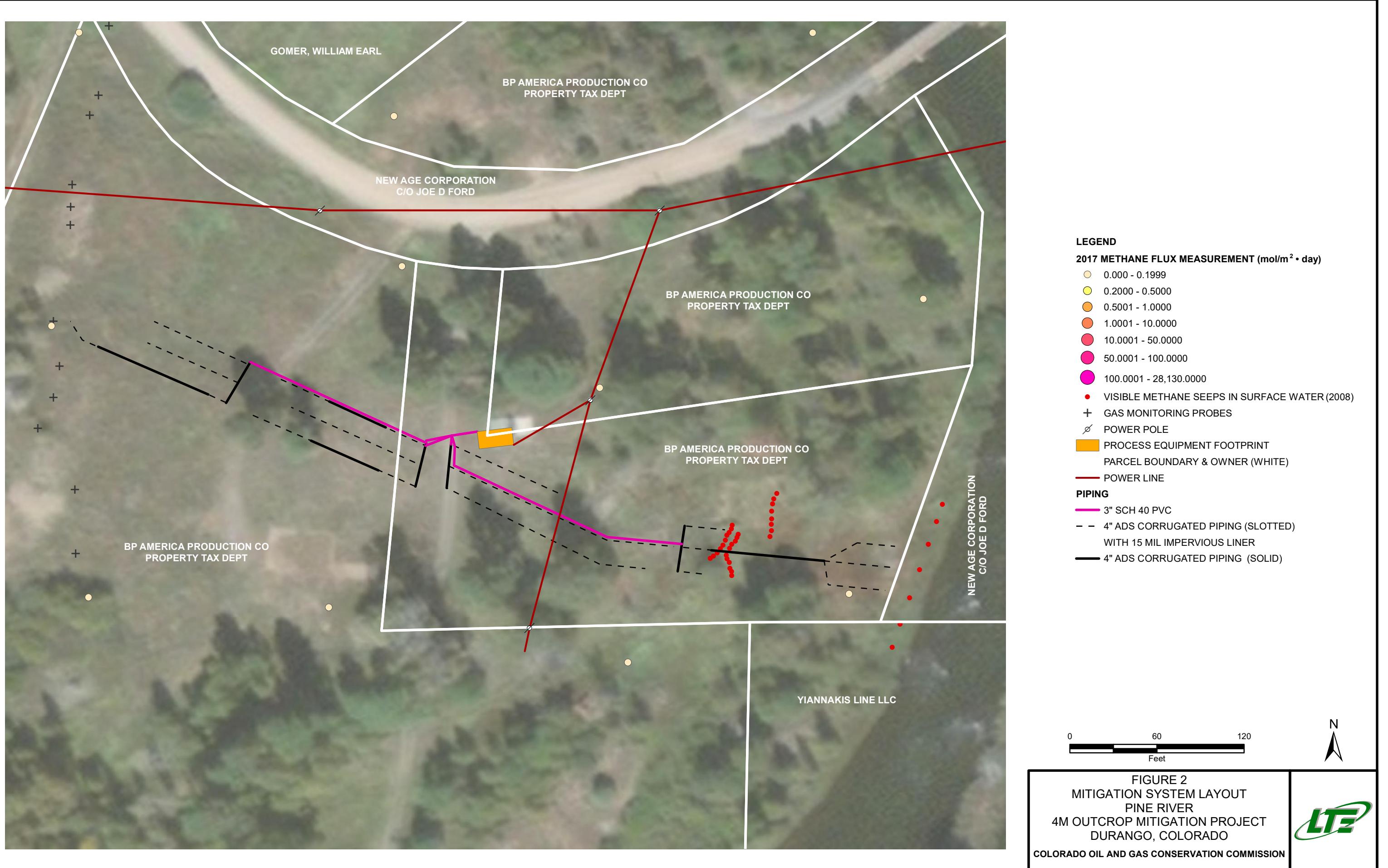


FIGURE 3

SOUTH FORK TEXAS CREEK METHANE CONCENTRATIONS
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

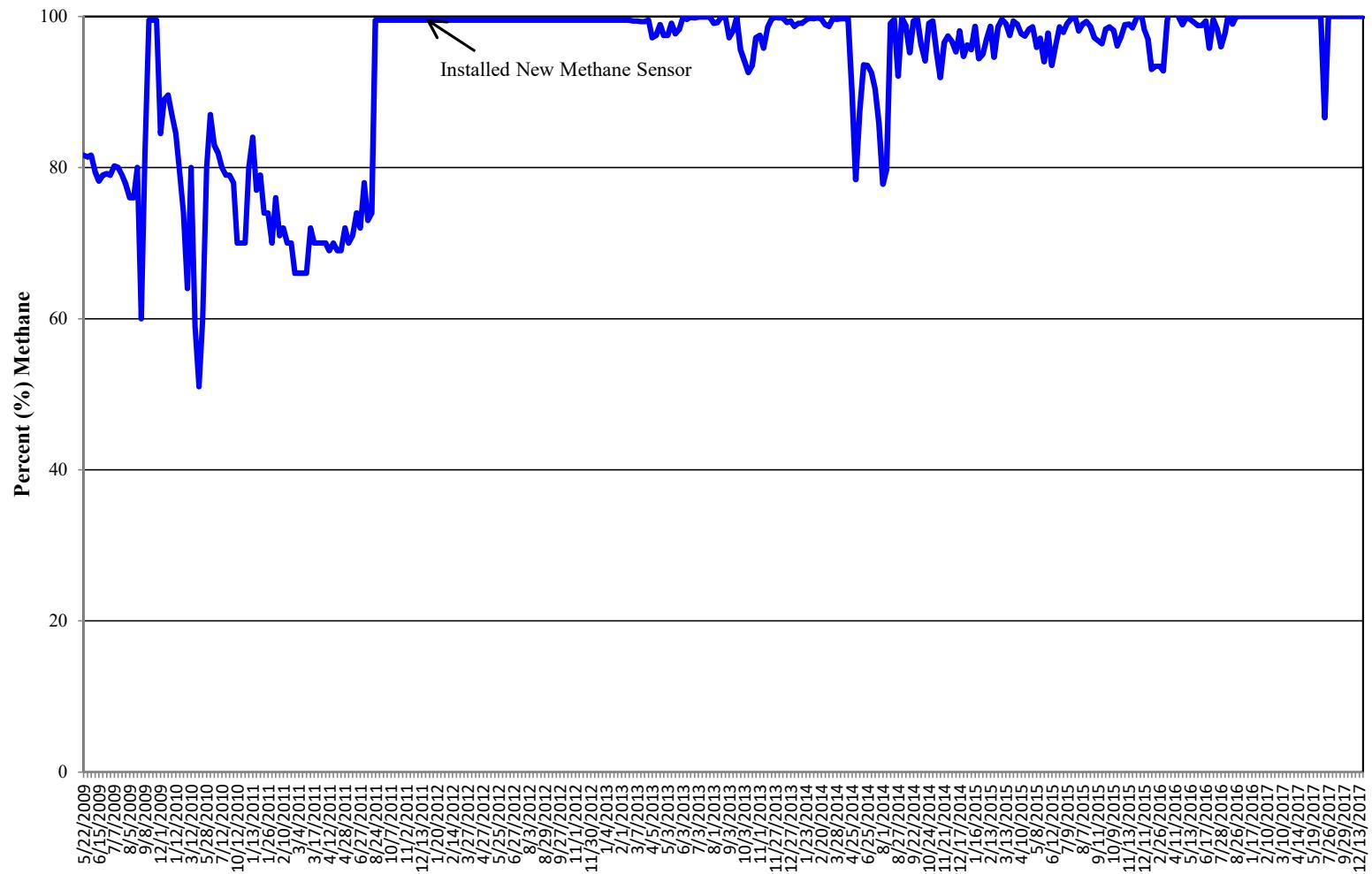


FIGURE 4

**PINE RIVER METHANE CONCENTRATIONS
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION
COMMISSION**

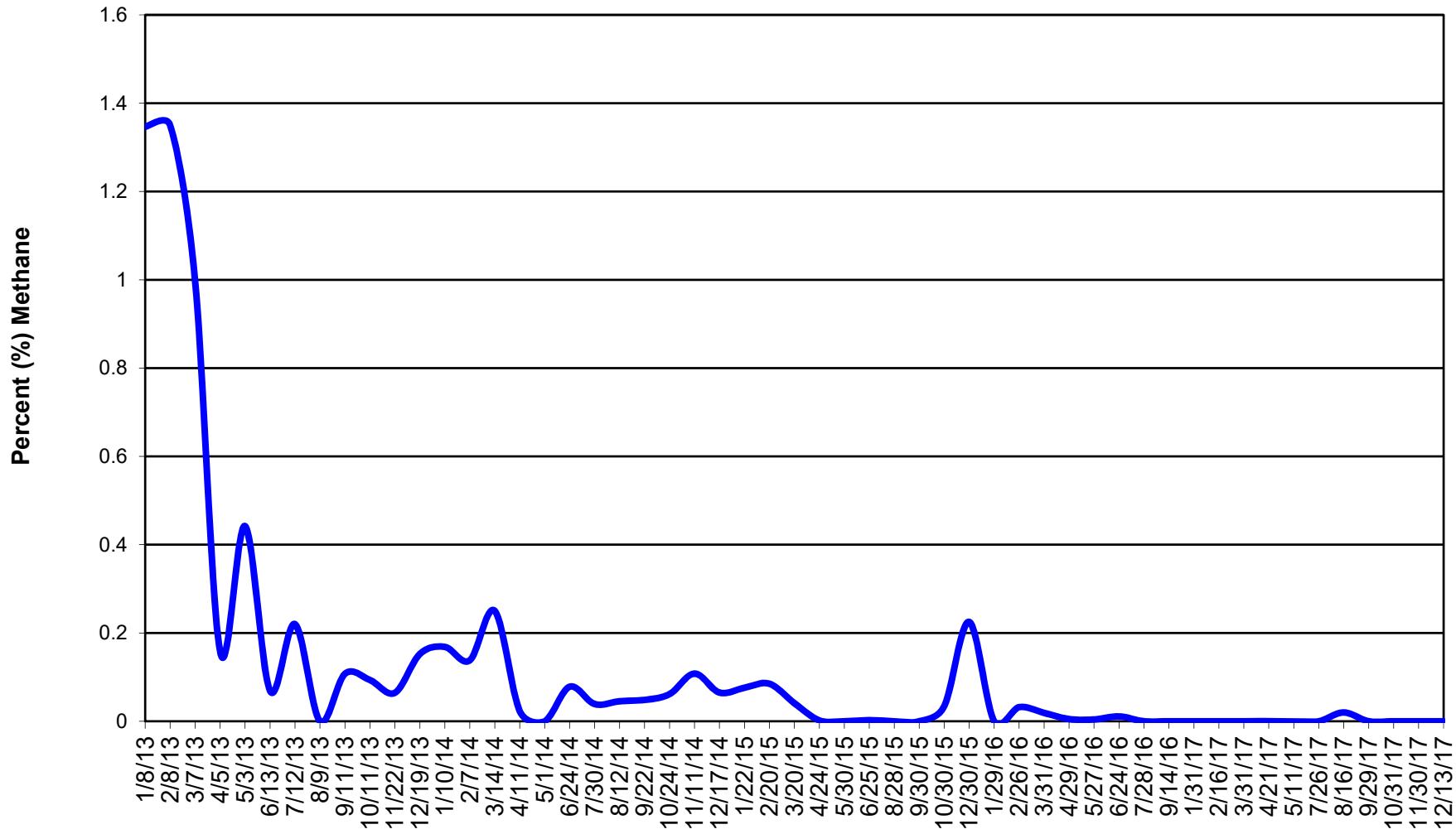


FIGURE 5

**SOUTH FORK TEXAS CREEK METHANE GAS FLOW
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION**

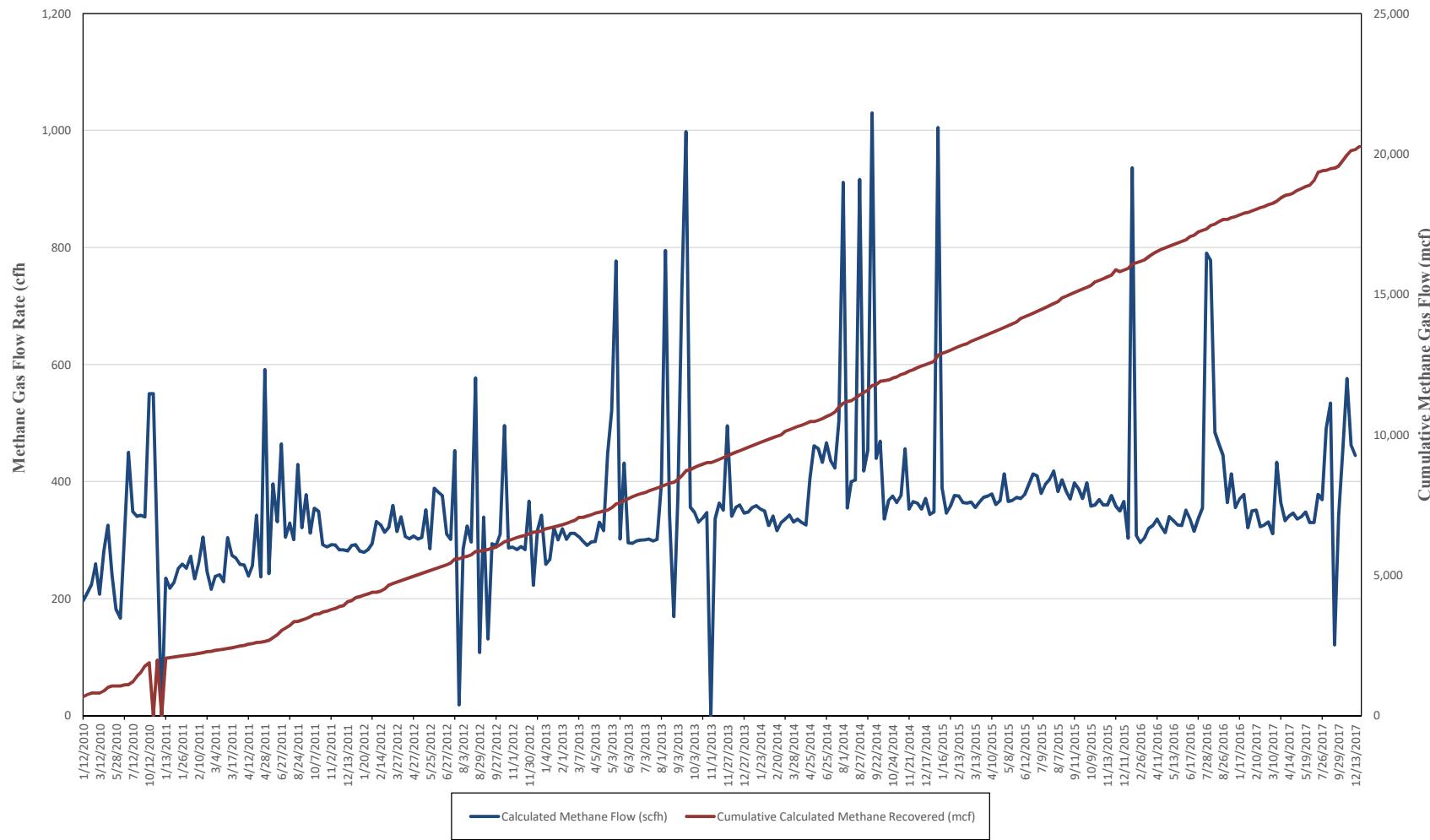


FIGURE 6

**SOUTH FORK TEXAS CREEK
SURPLUS ELECTRICITY GENERATED
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION**

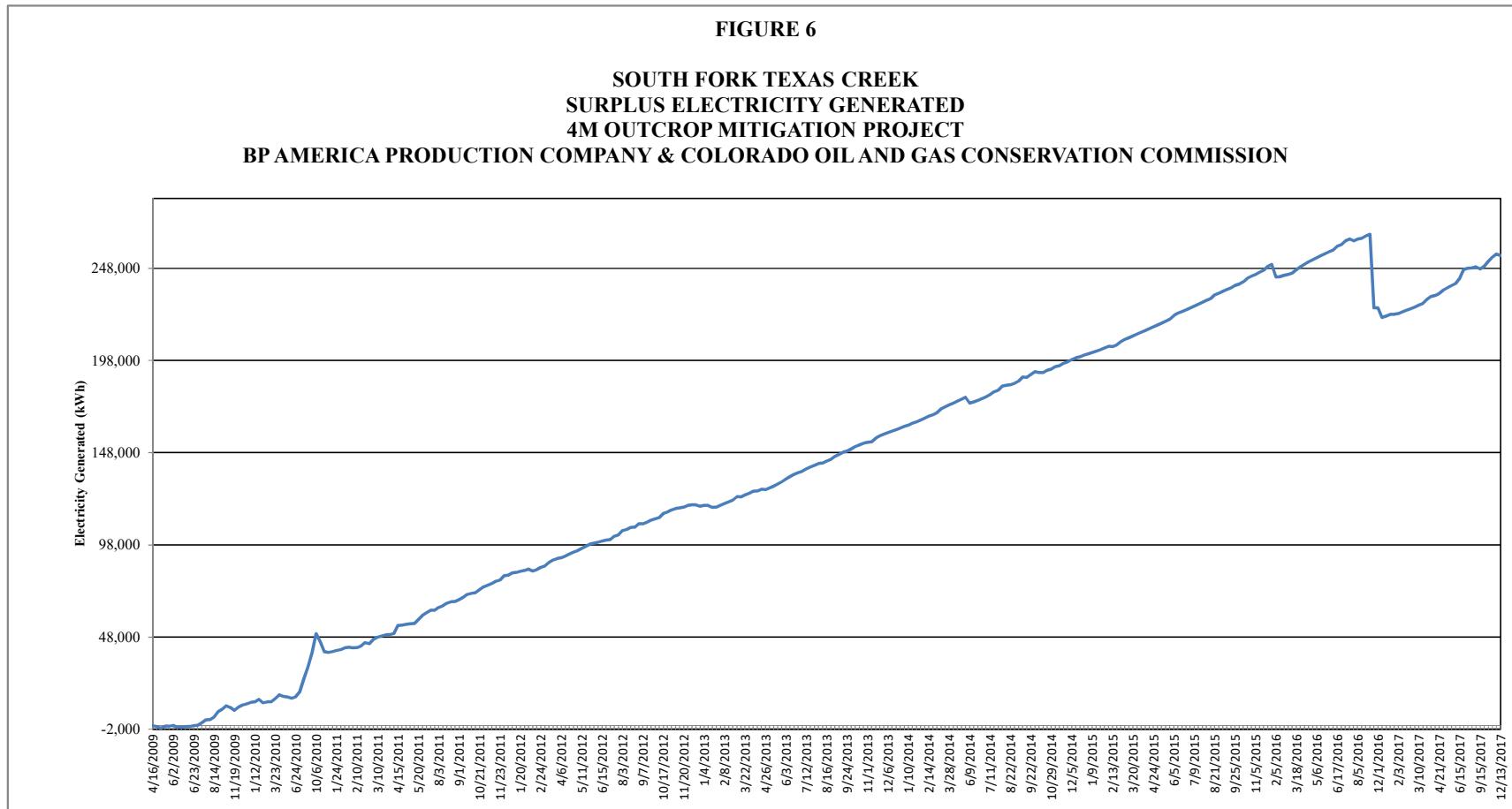


FIGURE 7

DAILY MINIMUM AND MAXIMUM TEMPERATURE
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

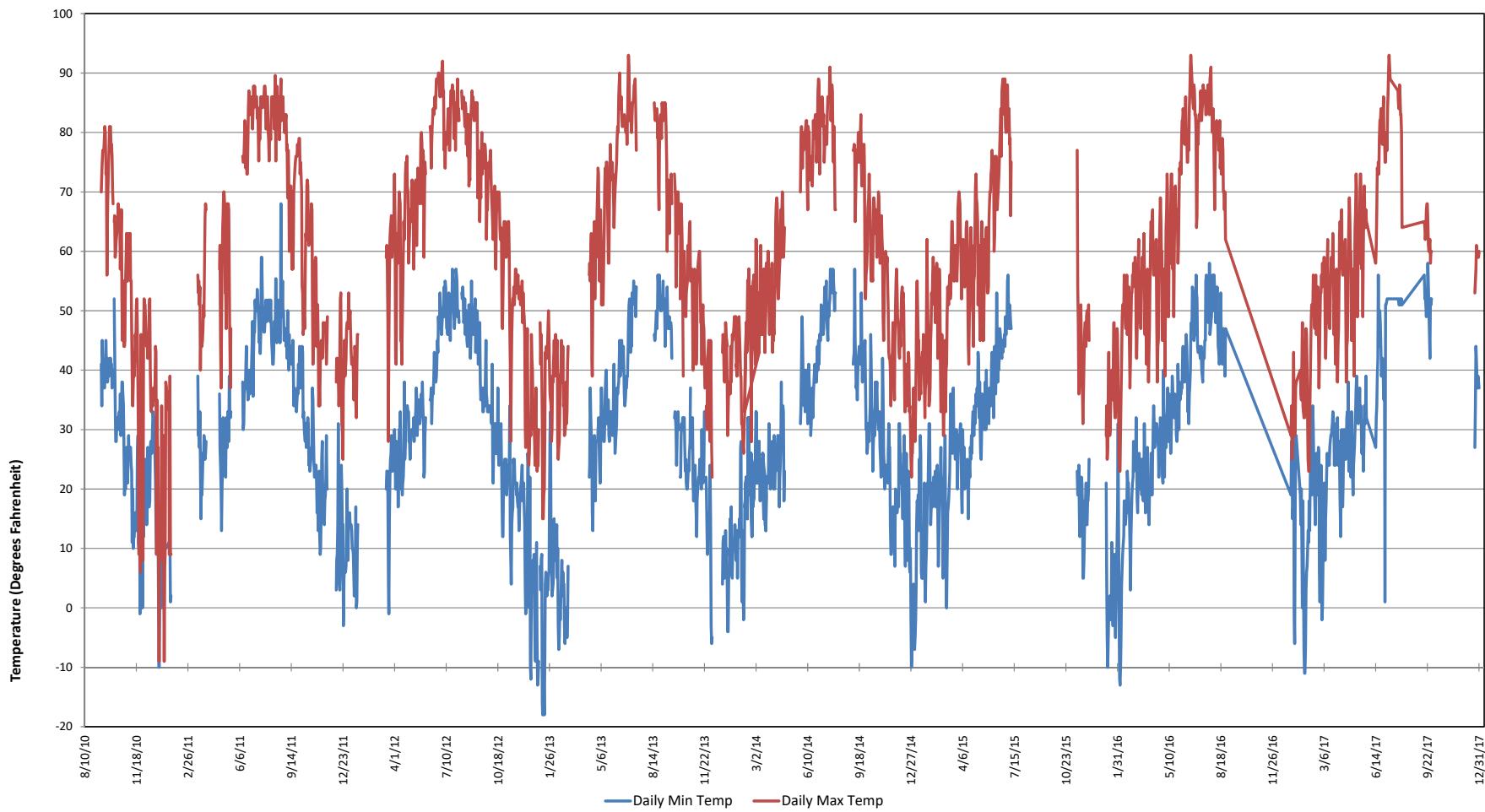


FIGURE 8

**MONTHLY PRECIPITATION
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION**

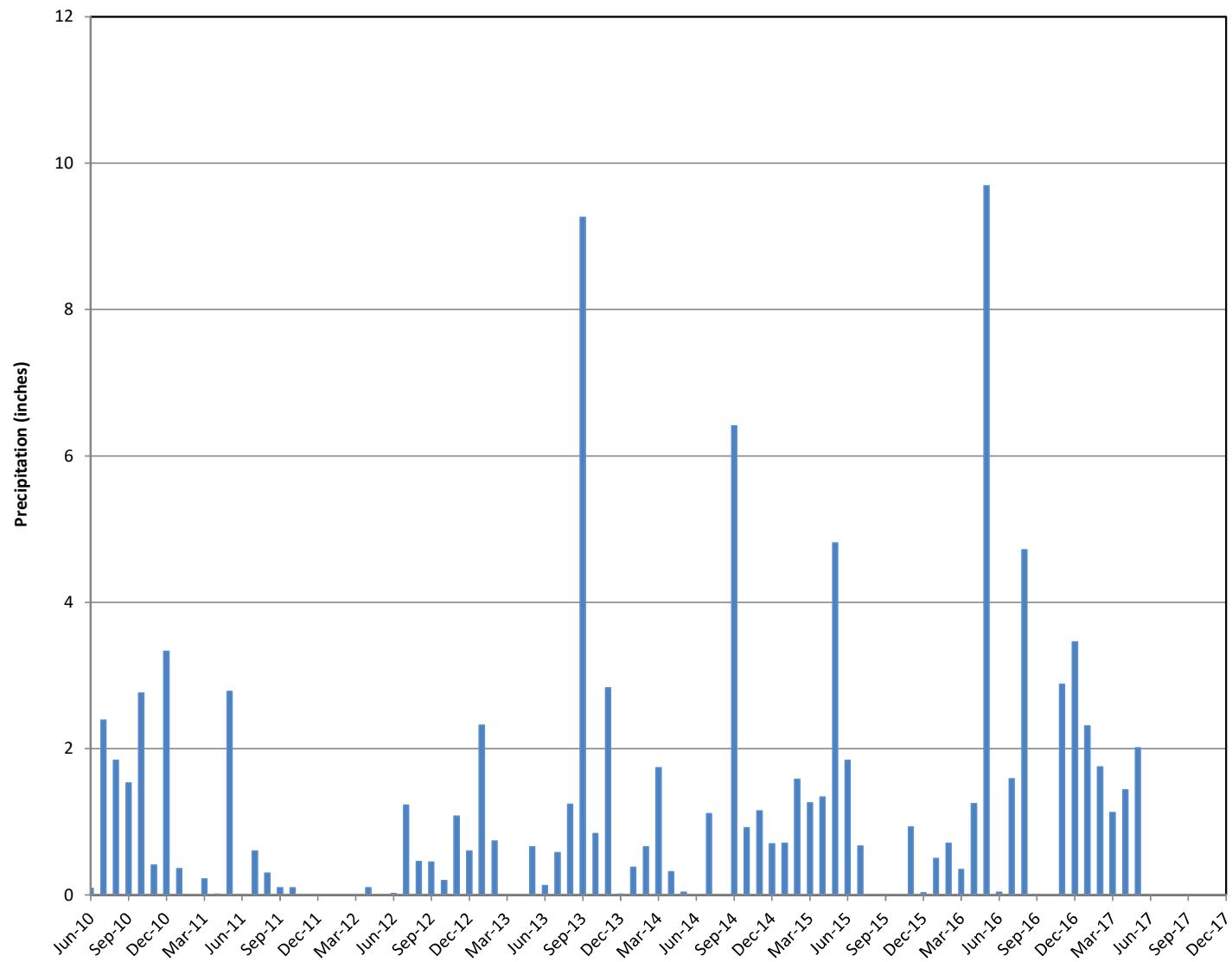
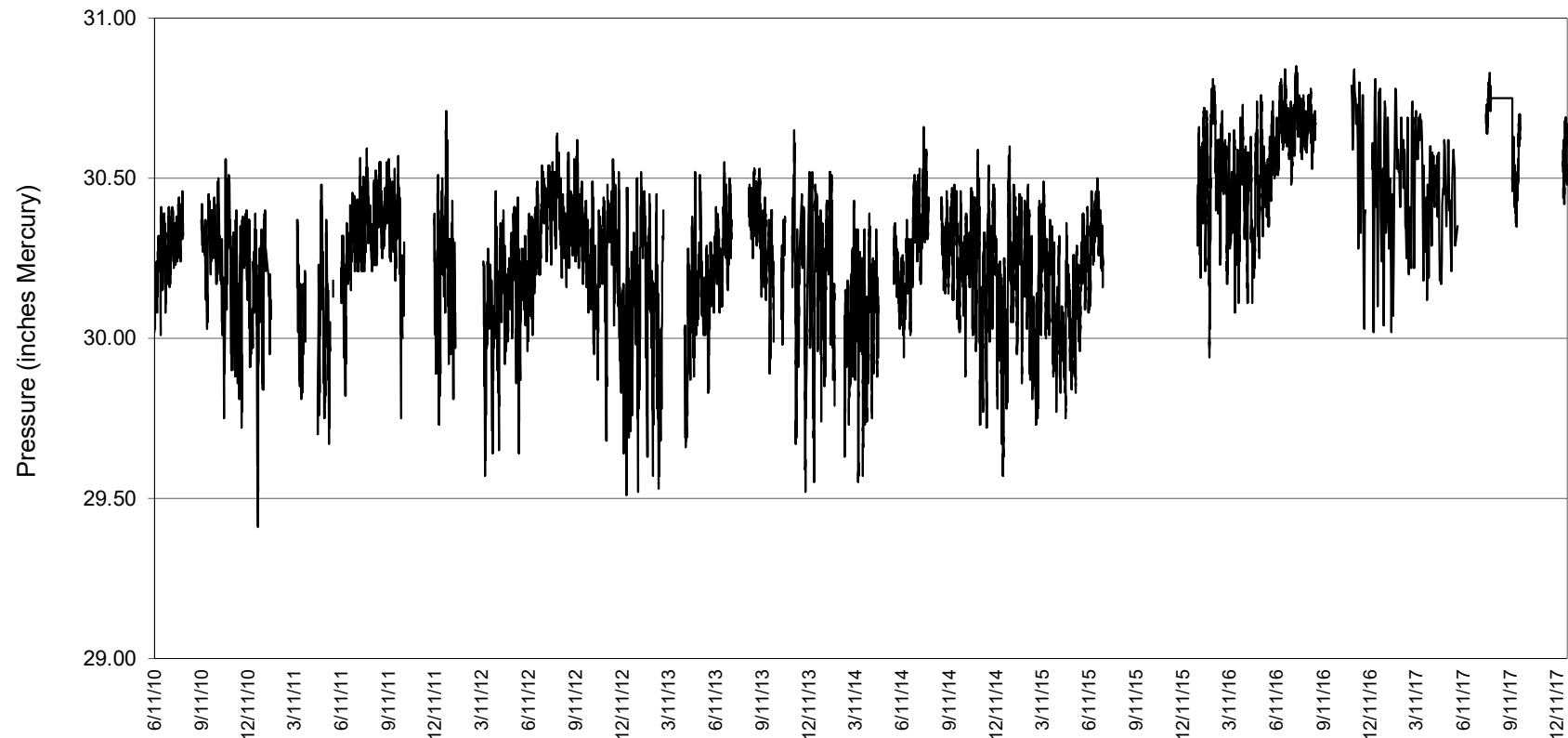


FIGURE 9

**DAILY BAROMETRIC PRESSURE
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION**



TABLES



TABLE 1
OPERATIONS AND MAINTENANCE DATA

SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|-----------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 5/22/2009 | OFF | 51,540 | 34 | 34 | 10 | 166,000 | -- | 81.6 | 130 | 203 | 7 |
| 5/27/2009 | OFF | 50,355 | 90 | 90 | 10 | 166,000 | -- | 81.4 | 33 | 204 | 18 |
| 5/29/2009 | OFF | 50,368 | 113 | 113 | 10 | 166,000 | -- | 81.6 | 15.2 | 203 | 23 |
| 6/8/2009 | OFF | 50,967 | 192 | 192 | 10 | 166,000 | -- | 79.4 | 14.9 | 209 | 40 |
| 6/15/2009 | OFF | 50,683 | 286 | 286 | 10 | 166,000 | 289 | 78.2 | 83 | 212 | 59 |
| 6/19/2009 | OFF | 50,510 | 305 | 305 | 10 | 166,000 | 308 | 79.0 | 19.8 | 210 | 63 |
| 6/23/2009 | OFF | 50,004 | 310 | 310 | 10 | 166,000 | 402 | 79.2 | 0.16 | 210 | 65 |
| 6/25/2009 | OFF | -- | 318 | 318 | 10 | 166,000 | 411 | 79.0 | -- | -- | -- |
| 7/7/2009 | OFF | 50,983 | 338 | 338 | 10 | 166,000 | 431 | 80.2 | 51.2 | 207 | 69 |
| 7/15/2009 | ON | -- | 523 | 523 | 10 to 12 | 188,000 | 620 | -- | -- | -- | -- |
| 7/22/2009 | OFF | 50,519 | 558 | 558 | 12 | 188,000 | 659 | 79.0 | 48 | 238 | 121 |
| 7/24/2009 | OFF | 50,365 | 600 | 600 | 12 | 188,000 | 700 | -- | -- | -- | -- |
| 8/5/2009 | ON | 46,840 | 891 | 891 | 10 | 166,000 | 993 | 76.0 | 5.25 | 218 | 185 |
| 8/14/2009 | ON | 45,536 | 1,106 | 1,106 | 12 | 188,000 | 1,208 | 76.0 | 3.25 | 247 | 238 |
| 8/20/2009 | ON | 44,501 | 1,251 | 1,251 | 12 | 188,000 | 1,353 | 80.0 | 4.25 | 235 | 272 |
| 9/2/2009 | OFF | 42,246 | 1,538 | 1,538 | 14 | 209,000 | 1,602 | 60.0 | 0.39 | 348 | 372 |
| 9/8/2009 | ON | 41,236 | 1,666 | 1,666 | 14 | 209,000 | 1,779 | 82.0 | 0.1 | 255 | 404 |
| 9/21/2009 | ON | 39,298 | 1,934 | 1,934 | 14 to 16 | 209,000 | 2,101 | 99.5 | 0.1 | 210 | 461 |
| OFF For Repairs | | | | | | | | | | | |
| 10/5/2009 | Repairs | 40,322 | 2,009 | 2,009 | OFF | 166,000 | 2,332 | -- | 2.75 | -- | -- |
| 11/19/2009 | ON | 41,776 | 1 | 1 | 12 | 166,000 | -- | 99.5 | 93 ppm | 167 | 461 |
| 12/1/2009 | ON | 39,960 | 286 | 286 | 12 | 166,000 | 2,623 | 84.5 | 1.9 ppm | 196 | 517 |
| 12/11/2009 | OFF | 38,941 | 495 | 495 | 12 | 166,000 | 2,866 | 89.0 | 2.0 ppm | 187 | 556 |
| 12/16/2009 | ON | 38,235 | 615 | 615 | 12 | 166,000 | 2,986 | 89.6 | 1.8 ppm | 185 | 578 |
| 12/29/2009 | OFF | 37,548 | 876 | 876 | 12 | 166,000 | 3,321 | 87.0 | 3.0 ppm | 191 | 628 |
| 1/12/2010 | OFF | 37,127 | 1,109 | 1,109 | 12 | 166,000 | 3,632 | 84.5 | 3.25 ppm | 196 | 674 |
| 1/27/2010 | ON | 35,875 | 1,469 | 1,469 | 12 | 166,000 | 3,993 | 79.2 | 0.1 | 210 | 749 |
| 3/5/2010 | OFF | 37,586 | 1,722 | 1,722 | 12 | 166,000 | 4,246 | 74.0 | 0.16 | 224 | 806 |
| 3/11/2010 | OFF | 37,217 | 1,723 | 1,723 | 12 | 166,000 | 4,247 | 64.0 | 130 ppm | 259 | 806 |
| 3/12/2010 | ON | 37,172 | 1,747 | 1,747 | 12 | 166,000 | 4,271 | 80.0 | 23.2 ppm | 208 | 811 |
| 3/23/2010 | ON | 35,364 | 2,009 | 2,009 | 12 | 166,000 | 4,533 | 59.0 | 0.1 | 281 | 885 |
| 4/14/2010 | -- | 33,275 | 2,379 | 2,379 | 12 | 166,000 | 4,900 | 51.0 | 52 ppm | 325 | 1,005 |
| 5/21/2010 | OFF | 34,290 | 2,573 | 2,573 | 8 | 145,000 | 5,099 | 60.0 | -- | 242 | 1,052 |



TABLE 1
OPERATIONS AND MAINTENANCE DATA

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4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO

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|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 5/28/2010 | OFF | 34,589 | 2,573 | 2,573 | 8 | 145,000 | 5,099 | 80.0 | -- | 181 | 1,052 |
| 6/16/2010 | ON | 35,119 | 2,574 | 2,574 | 8 | 145,000 | 5,101 | 87.0 | 0.1 | 167 | 1,052 |
| 6/24/2010 | OFF * | 34,436 | 2,720 | 2,720 | 18 | 253,000 | 5,249 | 83.0 | 0.1 | 305 | 1,097 |
| 6/29/2010 | ON | 34,412 | 2,733 | 2,733 | 20 | 274,000 | 5,262 | 82.0 | 0.1 | 450 | 1,102 |
| 7/12/2010 | ON | 31,780 | 3,035 | 3,035 | 20 | 274,000 | 5,576 | 80.0 | 0.1 | 349 | 1,208 |
| 8/6/2010 | ON | 24,587 | 3,613 | 3,613 | 19.2 | 265,000 | 6,171 | 79.0 | 0.1 | 341 | 1,405 |
| 8/24/2010 | ON | 18,172 | 4,035 | 4,035 | 19 | 265,000 | 6,605 | 79.0 | 0.1 | 342 | 1,549 |
| 9/21/2010 | ON | 10,437 | 4,690 | 4,690 | 18.1 | 253,000 | 7,279 | 78.0 | 0.1 | 340 | 1,771 |
| 10/12/2010 | ON | 8,260 | 4,900 | 4,900 | 18.0 | 253,000 | 8,154 | 70.0 | 0.1 | 550 | 1,887 |
| 12/2/2010 | -- | 3,290 | -- | -- | -- | -- | 70 | -- | -- | 550 | -- |
| 12/17/2010 | OFF | 4,901 | 5,246 | 5,246 | 12.0 | 166,000 | 8,364 | 70.0 | 0.1 | 281 | 1,984 |
| 1/3/2011 | -- | 7,820 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/13/2011 | OFF | 10,209 | 5,592 | 5,592 | 8.0 | 145,000 | 8,574 | 84.0 | 0.1 | 235 | 2,050 |
| 1/17/2011 | ON | 10,102 | 5,684 | 5,684 | 8.0 | 145,000 | 8,668 | 77.0 | 0.1 | 218 | 2,070 |
| 1/20/2011 | ON | 9,869 | 5,758 | 5,758 | 9.9 | 166,000 | 8,741 | 79.0 | 0.1 | 227 | 2,087 |
| 1/24/2011 | ON | 9,269 | 5,854 | 5,854 | 13.0 | 199,000 | 8,838 | 74.0 | 0.1 | 251 | 2,111 |
| 1/26/2011 | ON | 8,856 | 5,898 | 5,898 | 14.9 | 220,000 | 8,884 | 74.0 | 0.1 | 259 | 2,122 |
| 1/31/2011 | ON | 7,872 | 6,013 | 6,013 | 14.5 | 209,000 | 9,000 | 70.0 | 0.1 | 252 | 2,151 |
| 2/3/2011 | OFF | 7,549 | 6,075 | 6,075 | 12.9 | 199,000 | 9,079 | 76.0 | 0.1 | 272 | 2,168 |
| 2/8/2011 | ON | 6,846 | 6,191 | 6,191 | 12.9 | 199,000 | 9,194 | 71.0 | 0.1 | 234 | 2,195 |
| 2/10/2011 | OFF | 6,694 | 6,240 | 6,240 | 13.9 | 209,000 | 9,247 | 72.0 | 0.1 | 262 | 2,208 |
| 2/18/2011 | OFF | 5,712 | 6,386 | 6,386 | 13.9 | 209,000 | 9,412 | 70.0 | 0.1 | 305 | 2,252 |
| 2/22/2011 | ON | 5,157 | 6,476 | 6,476 | 14.0 | 209,000 | 9,506 | 70.0 | 0.1 | 247 | 2,275 |
| 2/25/2011 | ON | 4,581 | 6,550 | 6,550 | 13.0 | 199,000 | 9,580 | 66.0 | 0.1 | 216 | 2,291 |
| 3/4/2011 | ON | 3,243 | 6,707 | 6,707 | 13.0 | 199,000 | 9,747 | 66.0 | 0.1 | 238 | 2,328 |
| 3/7/2011 | ON | -- | 6,776 | 6,776 | 13.0 | 199,000 | 9,817 | 66.0 | 0.1 | 241 | 2,344 |
| 3/10/2011 | ON | 2,138 | 6,846 | 6,846 | 12.3 | 188,000 | 9,888 | 66.0 | 0.1 | 229 | 2,361 |
| 3/14/2011 | ON | 1,397 | 6,941 | 6,941 | 13.0 | 199,000 | 9,984 | 72.0 | 0.1 | 304 | 2,389 |
| 3/17/2011 | ON | 873 | 7,008 | 7,008 | 12.9 | 199,000 | 10,051 | 70.0 | 0.1 | 274 | 2,408 |
| 3/24/2011 | ON | 99,288 | 7,170 | 7,170 | 12.9 | 199,000 | 10,218 | 70.0 | 0.1 | 269 | 2,451 |
| 3/29/2011 | ON | 98,294 | 7,288 | 7,288 | 12.9 | 199,000 | 10,338 | 70.0 | 0.1 | 259 | 2,482 |
| 4/1/2011 | ON | 97,517 | 7,362 | 7,362 | 9.9 | 166,000 | 10,414 | 70.0 | 0.1 | 257 | 2,501 |
| 4/12/2011 | ON | 96,305 | 7,553 | 7,553 | 10.9 | 177,000 | 10,674 | 69.0 | 0.1 | 239 | 2,547 |

TABLE 1
OPERATIONS AND MAINTENANCE DATA

SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO

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|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 4/15/2011 | ON | 95,767 | 7,626 | 7,626 | 10.9 | 177,000 | 10,747 | 70.0 | 0.1 | 257 | 2,565 |
| 4/22/2011 | ON | 95,629 | 7,740 | 7,740 | 8.0 | 145,000 | 10,915 | 69.0 | 0.1 | 343 | 2,604 |
| 4/25/2011 | ON | 95,164 | 7,797 | 7,797 | 8.0 | 145,000 | 11,012 | 69.0 | 0.1 | 237 | 2,618 |
| 4/28/2011 | ON | 94,834 | 7,844 | 7,844 | 10.9 | 177,000 | 11,058 | 72.0 | 0.1 | 591 | 2,646 |
| 5/5/2011 | ON | 94,642 | 8,009 | 8,009 | 11.0 | 177,000 | 11,224 | 70.0 | 0.1 | 243 | 2,686 |
| 5/20/2011 | ON | 92,515 | 8,251 | 8,251 | 10.9 | 177,000 | 11,577 | 71.0 | 0.1 | 396 | 2,782 |
| 6/13/2011 | ON | 90,313 | 8,551 | 8,551 | 20.0 | 209,000 | 11,889 | 74.0 | 0.1 | 332 | 2,881 |
| 6/27/2011 | ON | 88,943 | 8,864 | 8,864 | 11.9 | 188,000 | 12,459 | 72.0 | 0.1 | 464 | 3,026 |
| 7/14/2011 | ON | 87502 | 9,148 | 9,148 | 13.0 | 199,000 | 12,866 | 78.0 | 0.1 | 305 | 3,113 |
| 8/3/2011 | ON | 86014 | 9,459 | 9,459 | 12.9 | 199,000 | 13,347 | 73.0 | 0.1 | 329 | 3,215 |
| 8/23/2011 | ON | 82,879 | 9,892 | 9,892 | 13.0 | 199,000 | 13,824 | 74.0 | 0.1 | 301 | 3,345 |
| 8/24/2011 | ON | 82753 | 9,908 | 9,908 | 12.9 | 199,000 | 13,831 | 99.5 | 0.1 | 429 | 3,352 |
| 9/1/2011 | OFF | 81745 | 10,062 | 10,062 | 13.0 | 199,000 | 14,036 | 99.5 | 0.1 | 321 | 3,402 |
| 9/8/2011 | ON | 80440 | 10,228 | 10,228 | 13.0 | 199,000 | 14,204 | 99.5 | 0.1 | 378 | 3,464 |
| 9/16/2011 | ON | 78926 | 10,419 | 10,419 | 13.0 | 199,000 | 14,396 | 99.5 | 0.1 | 312 | 3,524 |
| 10/7/2011 | OFF | 78343 | 10,646 | 10,646 | 13.0 | 199,000 | 14,893 | 99.5 | 0.1 | 355 | 3,605 |
| 10/12/2011 | OFF | 78065 | 10,713 | 10,713 | 10.0 | 166,000 | 15,012 | 99.5 | 0.1 | 349 | 3,628 |
| 10/21/2011 | ON | 77901 | 10,927 | 10,927 | 10.0 | 166,000 | 15,227 | 99.5 | 0.1 | 292 | 3,690 |
| 10/26/2011 | ON | 76,338 | 11,045 | 11,045 | 20.0 | 274,000 | 15,346 | 99.5 | 0.1 | 288 | 3,724 |
| 11/2/2011 | ON | 75,330 | 11,215 | 11,215 | 11.0 | 177,000 | 15,517 | 99.5 | 0.1 | 292 | 3,774 |
| 11/8/2011 | ON | 74,515 | 11,359 | 11,359 | 11.0 | 177,000 | 15,660 | 99.5 | 0.1 | 292 | 3,816 |
| 11/18/2011 | ON | 73,275 | 11,598 | 11,598 | 11.0 | 177,000 | 15,899 | 99.5 | 0.1 | 284 | 3,884 |
| 11/23/2011 | ON | 72,623 | 11,715 | 11,715 | 11.0 | 177,000 | 16,016 | 99.5 | 0.1 | 283 | 3,917 |
| 12/13/2011 | ON | 70,334 | 12,198 | 12,198 | 11.0 | 177,000 | 16,499 | 99.5 | 0.1 | 282 | 4,053 |
| 12/21/2011 | OFF | 70,062 | 12,338 | 12,338 | 11.0 | 177,000 | 16,691 | 99.5 | 0.1 | 291 | 4,094 |
| 1/6/2012 | ON | 68,872 | 12,721 | 12,721 | 11.0 | 177,000 | 17,075 | 99.5 | 0.1 | 292 | 4,206 |
| 1/11/2012 | ON | 68,481 | 12,840 | 12,840 | 11.0 | 177,000 | 17,193 | 99.5 | 0.1 | 281 | 4,239 |
| 1/20/2012 | ON | 67,814 | 13,057 | 13,057 | 11.0 | 177,000 | 17,410 | 99.5 | 0.1 | 279 | 4,300 |
| 1/25/2012 | ON | 67,382 | 13,179 | 13,179 | 11.0 | 177,000 | 17,532 | 99.5 | 0.1 | 284 | 4,334 |
| 2/3/2012 | ON | 66,646 | 13,391 | 13,391 | 11.0 | 177,000 | 17,744 | 99.5 | 0.1 | 294 | 4,397 |
| 2/9/2012 | OFF | 67,672 | 13,394 | 13,394 | 11.0 | 177,000 | 17,749 | 99.5 | 0.1 | 332 | 4,398 |
| 2/14/2012 | ON | 66,993 | 13,513 | 13,513 | 11.0 | 177,000 | 17,868 | 99.5 | 0.1 | 326 | 4,436 |
| 2/24/2012 | ON | 65,738 | 13,751 | 13,751 | 11.0 | 177,000 | 18,106 | 99.5 | 0.1 | 314 | 4,511 |



TABLE 1
OPERATIONS AND MAINTENANCE DATA

**SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO**

BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 3/13/2012 | ON | 63,190 | 14,178 | 14,178 | 12.0 | 166,000 | 18,537 | 99.5 | 0.1 | 322 | 4,649 |
| 3/21/2012 | ON | 61,775 | 14,364 | 14,364 | 20.0 | 274,000 | 18,729 | 99.5 | 0.1 | 359 | 4,715 |
| 3/27/2012 | ON | 60,912 | 14,509 | 14,509 | 12.0 | 166,000 | 18,874 | 99.5 | 0.1 | 315 | 4,761 |
| 4/6/2012 | OFF | 60,519 | 14,657 | 14,657 | 11.0 | 177,000 | 19,111 | 99.5 | 0.1 | 340 | 4,811 |
| 4/12/2012 | ON | 59,661 | 14,800 | 14,800 | 11.0 | 177,000 | 19,254 | 99.5 | 0.1 | 306 | 4,855 |
| 4/20/2012 | ON | 58,486 | 14,993 | 14,993 | 11.0 | 177,000 | 19,447 | 99.5 | 0.1 | 302 | 4,913 |
| 4/27/2012 | ON | 57,475 | 15,161 | 15,161 | 11.0 | 177,000 | 19,615 | 99.5 | 0.1 | 307 | 4,965 |
| 5/3/2012 | ON | 56,611 | 15,306 | 15,306 | 11.0 | 177,000 | 19,760 | 99.5 | 0.1 | 302 | 5,009 |
| 5/11/2012 | ON | 55,460 | 15,499 | 15,499 | 11.0 | 177,000 | 19,953 | 99.5 | 0.1 | 305 | 5,068 |
| 5/17/2012 | ON | 54,358 | 15,634 | 15,634 | 11.0 | 177,000 | 20,094 | 99.5 | 0.1 | 352 | 5,115 |
| 5/25/2012 | ON | 53,228 | 15,826 | 15,826 | 11.0 | 177,000 | 20,287 | 99.5 | 0.1 | 285 | 5,170 |
| 5/30/2012 | ON | 52,627 | 15,945 | 15,945 | 11.0 | 177,000 | 20,405 | 99.5 | 0.1 | 389 | 5,216 |
| 6/8/2012 | OFF | 52,020 | 16,087 | 16,087 | 11.0 | 177,000 | 20,620 | 99.5 | 0.1 | 382 | 5,270 |
| 6/15/2012 | OFF | 51,512 | 16,210 | 16,210 | 11.0 | 177,000 | 20,789 | 99.5 | 0.1 | 376 | 5,316 |
| 6/27/2012 | ON | 51,039 | 16,392 | 16,392 | 10.0 | 166,000 | 21,070 | 99.5 | 0.1 | 311 | 5,373 |
| 7/6/2012 | ON | 50,712 | 16,611 | 16,611 | 11.0 | 177,000 | 21,289 | 99.5 | 0.1 | 301 | 5,439 |
| 7/19/2012 | ON | 48,930 | 16,923 | 16,923 | 11.0 | 177,000 | 21,601 | 99.5 | 0.1 | 453 | 5,580 |
| 7/26/2012 | ON | 48,136 | 17,092 | 17,092 | 11.0 | 177,000 | 21,770 | 99.5 | 0.1 | 18 | 5,583 |
| 8/3/2012 | ON | 45,832 | 17,293 | 17,293 | 11.0 | 177,000 | 21,961 | 99.5 | 0.1 | 285 | 5,640 |
| 8/8/2012 | ON | 45,132 | 17,402 | 17,402 | 11.0 | 177,000 | 22,080 | 99.5 | 0.1 | 324 | 5,676 |
| 8/17/2012 | ON | 44,033 | 17,592 | 17,592 | 11.0 | 177,000 | 22,270 | 99.5 | 0.1 | 297 | 5,732 |
| 8/24/2012 | ON | 43,879 | 17,785 | 17,785 | 11.0 | 177,000 | 22,463 | 99.5 | 0.1 | 577 | 5,844 |
| 8/29/2012 | ON | 42,152 | 17,928 | 17,928 | 11.0 | 177,000 | 22,606 | 99.5 | 0.1 | 108 | 5,859 |
| 9/7/2012 | OFF | 42,124 | 18,011 | 18,011 | 11.0 | 177,000 | 22,800 | 99.5 | 0.1 | 339 | 5,887 |
| 9/14/2012 | ON | 41,166 | 18,174 | 18,174 | 11.0 | 177,000 | 22,963 | 99.5 | 0.1 | 131 | 5,908 |
| 9/21/2012 | ON | 40,158 | 18,343 | 18,343 | 11.0 | 177,000 | 23,133 | 99.5 | 0.1 | 294 | 5,958 |
| 9/27/2012 | ON | 39,307 | 18,489 | 18,489 | 11.0 | 177,000 | 23,279 | 99.5 | 0.1 | 291 | 6,001 |
| 10/8/2012 | ON | 38,739 | 18,753 | 18,753 | 11.0 | 177,000 | 23,543 | 99.5 | 0.1 | 311 | 6,083 |
| 10/17/2012 | ON | 36,454 | 18,968 | 18,968 | 11.0 | 177,000 | 23,758 | 99.5 | 0.1 | 496 | 6,189 |
| 10/23/2012 | ON | 35,608 | 19,112 | 19,112 | 11.0 | 177,000 | 23,902 | 99.5 | 0.1 | 287 | 6,230 |
| 11/1/2012 | ON | 34,651 | 19,328 | 19,328 | 11.0 | 177,000 | 24,118 | 99.5 | 0.1 | 288 | 6,293 |
| 11/8/2012 | ON | 33,827 | 19,499 | 19,499 | 11.0 | 177,000 | 24,289 | 99.5 | 0.1 | 284 | 6,341 |
| 11/16/2012 | OFF | 33,502 | 19,644 | 19,644 | 11.0 | 177,000 | 24,481 | 99.5 | 0.1 | 289 | 6,383 |

TABLE 1
OPERATIONS AND MAINTENANCE DATA

**SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO**

BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 11/20/2012 | ON | 33,142 | 19,739 | 19,739 | 11.0 | 177,000 | 24,576 | 99.5 | 0.1 | 284 | 6,410 |
| 11/30/2012 | OFF | 32,139 | 19,925 | 19,925 | 11.0 | 177,000 | 24,814 | 99.5 | 0.1 | 366 | 6,478 |
| 12/7/2012 | ON | 31,826 | 20,143 | 20,143 | 11.0 | 177,000 | 24,982 | 99.5 | 0.1 | 223 | 6,527 |
| 12/13/2012 | OFF | 31,763 | 20,216 | 20,216 | 11.0 | 177,000 | 25,126 | 99.5 | 0.1 | 316 | 6,550 |
| 12/21/2012 | OFF | 32,550 | 20,268 | 20,268 | 9.0 | 155,500 | 25,318 | 99.5 | 0.1 | 343 | 6,568 |
| 1/4/2013 | ON | 32,154 | 20,600 | 20,600 | 9.0 | 155,500 | 25,651 | 99.5 | 0.1 | 259 | 6,654 |
| 1/7/2013 | ON | 32,084 | 20,695 | 20,695 | 10.0 | 166,000 | 25,746 | 99.5 | 0.1 | 267 | 6,679 |
| 1/21/2013 | OFF | 33,216 | 20,814 | 20,814 | 11.0 | 177,000 | 25,993 | 99.5 | 0.1 | 320 | 6,717 |
| 1/25/2013 | ON | 33,024 | 20,911 | 20,911 | 11.0 | 177,000 | 26,089 | 99.5 | 0.1 | 301 | 6,746 |
| 2/1/2013 | ON | 31,930 | 21,073 | 21,073 | 11.5 | 177,000 | 26,255 | 99.5 | 0.1 | 319 | 6,798 |
| 2/8/2013 | ON | 31,044 | 21,241 | 21,241 | 11.5 | 177,000 | 26,423 | 99.5 | 0.1 | 301 | 6,849 |
| 2/15/2013 | ON | 30,155 | 21,411 | 21,411 | 12.0 | 188,000 | 26,593 | 99.5 | 0.1 | 311 | 6,902 |
| 2/22/2013 | ON | 29,261 | 21,577 | 21,577 | 12.0 | 188,000 | 26,759 | 99.4 | 0.1 | 311 | 6,953 |
| 3/7/2013 | ON | 27,392 | 21,914 | 21,914 | 12.0 | 188,000 | 27,096 | 99.4 | 0.1 | 306 | 7,056 |
| 3/14/2013 | ON | 27,502 | 21,923 | 21,923 | 11.0 | 177,000 | 27,105 | 99.3 | 0.1 | 298 | 7,059 |
| 3/22/2013 | OFF | 26,548 | 22,089 | 22,089 | 11.0 | 177,000 | 27,271 | 99.3 | 0.1 | 291 | 7,107 |
| 3/29/2013 | ON | 25,567 | 22,257 | 22,257 | 11.0 | 177,000 | 27,439 | 99.5 | 0.3 | 297 | 7,157 |
| 4/5/2013 | ON | 24,541 | 22,423 | 22,423 | 11.0 | 177,000 | 27,605 | 97.2 | 0.23 | 297 | 7,207 |
| 4/12/2013 | OFF | 24,374 | 22,518 | 22,518 | 11.1 | 177,000 | 27,775 | 97.5 | 0.31 | 330 | 7,238 |
| 4/19/2013 | ON | 23,359 | 22,688 | 22,688 | 11.1 | 177,000 | 27,944 | 98.9 | 0.3 | 316 | 7,292 |
| 4/26/2013 | OFF | 23,629 | 22,743 | 22,743 | 11.1 | 177,000 | 28,112 | 97.5 | 0.32 | 449 | 7,316 |
| 5/3/2013 | ON | 22,574 | 22,911 | 22,911 | 11.1 | 177,000 | 28,280 | 97.5 | 0.3 | 522 | 7,404 |
| 5/10/2013 | ON | 21,491 | 23,080 | 23,080 | 11.1 | 177,000 | 28,448 | 99.1 | 0.28 | 777 | 7,535 |
| 5/17/2013 | ON | 20,426 | 23,247 | 23,247 | 11.1 | 177,000 | 28,616 | 97.7 | 0.26 | 302 | 7,586 |
| 5/24/2013 | ON | 19,384 | 23,413 | 23,413 | 11.1 | 177,000 | 28,782 | 98.3 | 0.3 | 432 | 7,658 |
| 6/3/2013 | ON | 17,944 | 23,653 | 23,653 | 11.1 | 177,000 | 29,023 | 99.9 | 0.29 | 296 | 7,728 |
| 6/13/2013 | ON | 16,453 | 23,895 | 23,895 | 11.1 | 177,000 | 29,264 | 99.6 | 0.28 | 294 | 7,800 |
| 6/21/2013 | ON | 15,331 | 24,081 | 24,081 | 11.1 | 177,000 | 29,450 | 99.9 | 0.3 | 299 | 7,855 |
| 6/28/2013 | ON | 14,308 | 24,250 | 24,250 | 11.1 | 177,000 | 29,620 | 99.8 | 0.17 | 300 | 7,906 |
| 7/3/2013 | ON | 13,570 | 24,372 | 24,372 | 11.1 | 177,000 | 29,742 | 99.9 | 0.29 | 301 | 7,943 |
| 7/12/2013 | ON | 12,398 | 24,586 | 24,586 | 11.1 | 177,000 | 29,956 | 99.9 | 0.29 | 302 | 8,007 |
| 7/19/2013 | ON | 11,318 | 24,752 | 24,752 | 11.1 | 177,000 | 30,121 | 99.9 | 0.2 | 298 | 8,057 |
| 7/26/2013 | ON | 10,305 | 24,923 | 24,923 | 11.1 | 177,000 | 30,293 | 99.9 | 0.17 | 301 | 8,108 |

TABLE 1
OPERATIONS AND MAINTENANCE DATA

**SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO**

BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 8/1/2013 | ON | 9,447 | 25,067 | 25,067 | 11.0 | 177,000 | 30,437 | 99.1 | 0.18 | 397 | 8,165 |
| 8/9/2013 | ON | 9,126 | 25,139 | 25,139 | 11.1 | 177,000 | 30,509 | 99.2 | 0.2 | 795 | 8,223 |
| 8/16/2013 | ON | 8,139 | 25,307 | 25,307 | 11.0 | 177,000 | 30,677 | 99.9 | 0.1 | 343 | 8,280 |
| 8/23/2013 | ON | 7,130 | 25,476 | 25,476 | 11.0 | 177,000 | 30,846 | 99.9 | 0.1 | 169 | 8,309 |
| 9/3/2013 | ON | 5,560 | 25,743 | 25,743 | 11.1 | 177,000 | 31,112 | 97.2 | 0.1 | 373 | 8,409 |
| 9/11/2013 | ON | 4,425 | 25,932 | 25,932 | 11.0 | 177,000 | 31,302 | 98.1 | 0.1 | 731 | 8,547 |
| 9/19/2013 | OFF | 3,304 | 26,104 | 26,104 | 11.0 | 177,000 | 31,474 | 99.9 | 0.1 | 998 | 8,718 |
| 9/24/2013 | ON | 2,666 | 26,227 | 26,227 | 11.0 | 177,000 | 31,597 | 95.5 | 0.1 | 356 | 8,762 |
| 10/3/2013 | ON | 1,414 | 26,442 | 26,442 | 11.0 | 177,000 | 31,812 | 94.0 | 0.1 | 348 | 8,837 |
| 10/11/2013 | ON | 257 | 26,632 | 26,632 | 11.0 | 177,000 | 32,062 | 92.6 | 0.1 | 330 | 8,900 |
| 10/18/2013 | ON | 99,265 | 26,799 | 26,799 | 10.9 | 177,000 | 32,169 | 93.5 | 0.1 | 338 | 8,956 |
| 10/25/2013 | ON | 98,342 | 26,965 | 26,965 | 11.0 | 177,000 | 32,335 | 97.2 | 0.1 | 347 | 9,014 |
| 11/1/2013 | ON | 97,992 | 27,131 | 27,131 | 10.9 | 177,000 | 32,501 | 97.5 | 0.1 | 0 | 9,014 |
| 11/7/2013 | ON | 97,642 | 27,280 | 27,280 | 10.9 | 177,000 | 32,650 | 95.8 | 0.1 | 337 | 9,064 |
| 11/14/2013 | ON | 95,637 | 27,445 | 27,445 | 11.0 | 177,000 | 32,815 | 98.5 | 0.19 | 363 | 9,124 |
| 11/22/2013 | ON | 94,483 | 27,642 | 27,642 | 11.0 | 177,000 | 33,012 | 99.6 | 0.1 | 351 | 9,193 |
| 11/27/2013 | ON | 93,488 | 27,758 | 27,758 | 20.0 | 209,000 | 33,131 | 99.9 | 0.1 | 495 | 9,250 |
| 12/6/2013 | ON | 92,568 | 27,974 | 27,974 | 11.0 | 177,000 | 33,347 | 99.8 | 0.1 | 341 | 9,324 |
| 12/13/2013 | ON | 91,854 | 28,141 | 28,141 | 11.0 | 177,000 | 33,515 | 99.8 | 0.1 | 356 | 9,383 |
| 12/19/2013 | ON | 91,104 | 28,286 | 28,286 | 11.0 | 177,000 | 33,659 | 99.2 | 0.1 | 360 | 9,436 |
| 12/27/2013 | ON | 90,108 | 28,478 | 28,478 | 11.0 | 177,000 | 33,851 | 99.4 | 0.1 | 346 | 9,502 |
| 1/3/2014 | ON | 89,226 | 28,644 | 28,644 | 11.0 | 177,000 | 34,017 | 98.7 | 0.13 | 348 | 9,560 |
| 1/10/2014 | OFF | 88,536 | 28,796 | 28,796 | 11.0 | 177,000 | 33,081 | 99.1 | 0.1 | 356 | 9,614 |
| 1/17/2014 | ON | 87,509 | 28,965 | 28,965 | 11.0 | 177,000 | 33,249 | 99.1 | 0.1 | 359 | 9,675 |
| 1/23/2014 | ON | 86,822 | 29,109 | 29,109 | 11.0 | 177,000 | 33,393 | 99.5 | 0.1 | 353 | 9,725 |
| 1/30/2014 | ON | 85,846 | 29,275 | 29,275 | 11.0 | 177,000 | 33,560 | 99.8 | 0.1 | 350 | 9,784 |
| 2/7/2014 | ON | 84,811 | 29,472 | 29,472 | 11.0 | 177,000 | 33,756 | 99.7 | 0.1 | 325 | 9,848 |
| 2/14/2014 | ON | 83,702 | 29,635 | 29,635 | 11.0 | 177,000 | 33,920 | 99.8 | 0.1 | 341 | 9,903 |
| 2/20/2014 | ON | 82,933 | 29,775 | 29,775 | 11.0 | 177,000 | 34,060 | 99.7 | 0.1 | 316 | 9,947 |
| 2/27/2014 | ON | 81,888 | 29,947 | 29,947 | 11.0 | 177,000 | 34,231 | 98.9 | 0.1 | 330 | 10,004 |
| 3/14/2014 | ON | 79,643 | 30,307 | 30,307 | 11.0 | 177,000 | 34,592 | 98.7 | 0.3 | 336 | 10,125 |
| 3/21/2014 | ON | 78,636 | 30,474 | 30,474 | 11.0 | 177,000 | 34,759 | 99.7 | 0.1 | 343 | 10,182 |
| 3/28/2014 | ON | 77,608 | 30,643 | 30,643 | 11.0 | 177,000 | 34,928 | 99.6 | 0.15 | 331 | 10,238 |

TABLE 1
OPERATIONS AND MAINTENANCE DATA

**SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO**

BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 4/4/2014 | ON | 76,575 | 30,810 | 30,810 | 11.0 | 177,000 | 35,095 | 99.7 | 0.1 | 336 | 10,294 |
| 4/11/2014 | ON | 75,529 | 30,979 | 30,979 | 11.0 | 177,000 | 35,264 | 99.7 | 0.1 | 330 | 10,350 |
| 4/18/2014 | ON | 74,478 | 31,147 | 31,147 | 11.0 | 177,000 | 35,432 | 99.7 | 0.1 | 326 | 10,405 |
| 4/25/2014 | ON | 73,446 | 31,313 | 31,313 | 11.0 | 177,000 | 35,598 | 89.8 | 0.1 | 406 | 10,472 |
| 6/9/2014 | ON | 76,589 | 31,314 | 31,314 | 11.0 | 177,000 | 35,600 | 78.4 | 0.1 | 461 | 10,473 |
| 6/13/2014 | ON | 76,022 | 31,407 | 31,407 | 11.0 | 177,000 | 35,693 | 87.4 | 0.1 | 456 | 10,515 |
| 6/19/2014 | ON | 75,121 | 31,554 | 31,554 | 11.0 | 177,000 | 35,839 | 93.6 | 0.1 | 433 | 10,579 |
| 6/25/2014 | ON | 74,118 | 31,719 | 31,719 | 11.0 | 177,000 | 36,005 | 93.5 | 0.1 | 466 | 10,656 |
| 7/2/2014 | ON | 73,266 | 31,863 | 31,863 | 11.0 | 177,000 | 36,149 | 92.6 | 0.1 | 435 | 10,718 |
| 7/11/2014 | ON | 72,077 | 32,079 | 32,079 | 11.0 | 177,000 | 36,365 | 90.4 | 0.1 | 423 | 10,810 |
| 7/25/2014 | ON | 70,502 | 32,412 | 32,412 | 20.0 | 177,000 | 36,703 | 85.9 | 0.1 | 504 | 10,978 |
| 8/1/2014 | ON | 69,634 | 32,575 | 32,575 | 11.0 | 177,000 | 36,866 | 77.8 | 0.1 | 911 | 11,126 |
| 8/8/2014 | ON | 67,507 | 32,747 | 32,747 | 11.0 | 177,000 | 37,038 | 79.8 | 0.1 | 355 | 11,187 |
| 8/12/2014 | ON | 67,002 | 32,803 | 32,691 | 11.0 | 177,000 | 37,135 | 99.1 | 0.1 | 400 | 11,210 |
| 8/22/2014 | ON | 66,593 | 33,038 | 32,456 | 11.0 | 177,000 | 37,369 | 99.6 | 0.1 | 403 | 11,304 |
| 8/27/2014 | ON | 65,842 | 33,159 | 32,335 | 11.0 | 177,000 | 37,492 | 92.1 | 0.1 | 916 | 11,415 |
| 9/5/2014 | ON | 64,607 | 33,373 | 32,121 | 11.0 | 177,000 | 37,706 | 99.8 | 0.1 | 418 | 11,505 |
| 9/12/2014 | ON | 62,501 | 33,545 | 31,949 | 11.0 | 177,000 | 37,877 | 98.8 | 0.1 | 453 | 11,583 |
| 9/19/2014 | ON | 62,634 | 33,708 | 31,786 | 11.0 | 177,000 | 38,041 | 95.2 | 0.1 | 1030 | 11,750 |
| 9/22/2014 | ON | 61,192 | 33,785 | 31,709 | 11.0 | 177,000 | 38,118 | 99.4 | 0.1 | 440 | 11,784 |
| 10/3/2014 | ON | 59,625 | 34,047 | 31,447 | 11.0 | 177,000 | 38,379 | 99.6 | 0.1 | 469 | 11,907 |
| 10/10/2014 | OFF | 60,103 | 34,083 | 31,411 | 11.0 | 177,000 | 38,546 | 96.3 | 0.1 | 336 | 11,919 |
| 10/17/2014 | ON | 59,999 | 34,181 | 31,313 | 11.0 | 177,000 | 38,714 | 94.1 | 0.1 | 368 | 11,955 |
| 10/24/2014 | ON | 58,875 | 34,353 | 31,141 | 11.0 | 177,000 | 38,886 | 99.1 | 0.1 | 375 | 12,020 |
| 10/29/2014 | ON | 58,208 | 34,466 | 31,028 | 11.0 | 177,000 | 38,999 | 99.4 | 0.1 | 364 | 12,061 |
| 11/7/2014 | ON | 56,918 | 34,688 | 30,806 | 11.0 | 177,000 | 39,221 | 95.2 | 0.1 | 376 | 12,144 |
| 11/11/2014 | ON | 56,333 | 34,784 | 30,710 | 11.0 | 177,000 | 39,317 | 91.9 | 0.1 | 456 | 12,188 |
| 11/21/2014 | ON | 55,087 | 35,020 | 30,474 | 11.0 | 177,000 | 39,553 | 96.6 | 0.1 | 353 | 12,272 |
| 11/26/2014 | ON | 54,312 | 35,144 | 30,350 | 11.0 | 177,000 | 39,677 | 97.4 | 0.1 | 366 | 12,317 |
| 12/5/2014 | ON | 53,056 | 35,362 | 30,132 | 11.0 | 177,000 | 39,895 | 96.7 | 0.1 | 363 | 12,396 |
| 12/13/2014 | ON | 52,129 | 35,528 | 29,966 | 11.0 | 177,000 | 40,062 | 95.3 | 0.1 | 353 | 12,455 |
| 12/17/2014 | ON | 51,450 | 35,648 | 29,846 | 11.0 | 177,000 | 40,181 | 98.1 | 0.1 | 371 | 12,499 |
| 12/24/2014 | ON | 50,586 | 35,813 | 29,681 | 11.0 | 177,000 | 40,347 | 94.7 | 0.1 | 344 | 12,556 |

TABLE 1
OPERATIONS AND MAINTENANCE DATA

**SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO**

BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 12/31/2014 | ON | 50,011 | 35,981 | 29,513 | 11.0 | 177,000 | 40,514 | 96.2 | 0.1 | 348 | 12,614 |
| 1/9/2015 | ON | 49,108 | 36,201 | 29,293 | 11.0 | 177,000 | 40,735 | 95.6 | 0.1 | 1005 | 12,835 |
| 1/16/2015 | OFF | 48,367 | 36,377 | 29,117 | 11.0 | 177,000 | 40,852 | 98.7 | 0.1 | 389 | 12,904 |
| 1/22/2015 | ON | 47,639 | 36,508 | 28,986 | 11.0 | 177,000 | 41,044 | 94.4 | 0.1 | 346 | 12,949 |
| 1/30/2015 | ON | 46,782 | 36,697 | 28,797 | 11.0 | 177,000 | 41,232 | 95.0 | 0.1 | 358 | 13,017 |
| 2/6/2015 | ON | 45,834 | 36,868 | 28,626 | 11.0 | 177,000 | 41,403 | 97.0 | 0.1 | 376 | 13,081 |
| 2/13/2015 | ON | 45,888 | 37,038 | 28,456 | 11.0 | 177,000 | 41,574 | 98.7 | | 375 | 13,145 |
| 2/20/2015 | ON | 44,994 | 37,202 | 28,292 | 11.0 | 177,000 | 41,738 | 94.6 | 0.1 | 364 | 13,205 |
| 2/24/2015 | ON | 43,307 | 37,296 | 28,198 | 10.9 | 177,000 | 41,832 | 98.6 | 0.1 | 363 | 13,239 |
| 3/6/2015 | ON | 42,060 | 37,537 | 27,957 | 11.0 | 177,000 | 42,074 | 99.6 | 0.2 | 365 | 13,327 |
| 3/13/2015 | ON | 41,135 | 37,702 | 27,792 | 11.0 | 177,000 | 42,239 | 99.1 | 0.1 | 356 | 13,385 |
| 3/20/2015 | ON | 40,093 | 37,873 | 27,621 | 11.0 | 177,000 | 42,410 | 97.5 | 0.1 | 365 | 13,448 |
| 3/27/2015 | ON | 39,110 | 38,038 | 27,456 | 11.0 | 177,000 | 42,575 | 99.4 | 0.1 | 373 | 13,509 |
| 4/3/2015 | ON | 38,126 | 38,209 | 27,285 | 11.0 | 177,000 | 42,746 | 99.0 | 0.1 | 375 | 13,574 |
| 4/10/2015 | ON | 37,162 | 38,375 | 27,119 | 11.0 | 177,000 | 42,911 | 97.7 | 0.1 | 379 | 13,636 |
| 4/17/2015 | ON | 36,203 | 38,542 | 26,952 | 10.9 | 177,000 | 43,079 | 97.4 | 0.1 | 361 | 13,697 |
| 4/24/2015 | ON | 35,199 | 38,714 | 26,780 | 11.0 | 177,000 | 43,251 | 98.3 | 0.1 | 368 | 13,760 |
| 5/1/2015 | ON | 34,292 | 38,881 | 26,613 | 11.0 | 177,000 | 43,418 | 98.6 | 0.1 | 413 | 13,829 |
| 5/8/2015 | ON | 33,211 | 39,043 | 26,451 | 11.0 | 177,000 | 43,580 | 95.9 | 0.1 | 366 | 13,888 |
| 5/15/2015 | ON | 32,177 | 39,217 | 26,277 | 11.0 | 177,000 | 43,754 | 97.1 | 0.1 | 368 | 13,952 |
| 5/22/2015 | ON | 31,135 | 39,386 | 26,108 | 11.0 | 177,000 | 43,923 | 94.0 | 0.1 | 373 | 14,015 |
| 6/5/2015 | ON | 29,085 | 39,722 | 25,772 | 11.0 | 177,000 | 44,529 | 97.8 | 0.1 | 371 | 14,140 |
| 6/12/2015 | ON | 27,802 | 39,883 | 25,611 | 11.0 | 177,000 | 44,424 | 93.5 | 0.1 | 378 | 14,201 |
| 6/19/2015 | ON | 26,906 | 40,047 | 25,447 | 11.0 | 177,000 | 44,588 | 96.3 | 0.1 | 396 | 14,266 |
| 6/25/2015 | ON | 26,018 | 40,193 | 25,301 | 11.0 | 177,000 | 44,734 | 98.6 | 0.1 | 413 | 14,326 |
| 7/2/2015 | ON | 25,012 | 40,360 | 25,134 | 11.0 | 177,000 | 44,901 | 97.9 | 0.1 | 410 | 14,395 |
| 7/9/2015 | ON | 24,010 | 40,527 | 24,967 | 11.0 | 177,000 | 45,068 | 99.1 | 0.1 | 380 | 14,458 |
| 7/17/2015 | ON | 98,893 | 40,717 | 24,777 | 11.0 | 177,000 | 45,258 | 99.7 | 0.1 | 396 | 14,533 |
| 7/23/2015 | ON | 97,851 | 40,889 | 24,605 | 11.0 | 177,000 | 45,431 | 99.9 | 0.1 | 404 | 14,603 |
| 7/31/2015 | ON | 96,874 | 41,053 | 24,441 | 11.0 | 177,000 | 45,595 | 98.1 | 0.01 | 418 | 14,671 |
| 8/7/2015 | ON | 95,855 | 41,226 | 24,268 | 11.0 | 177,000 | 45,768 | 99.0 | 0.01 | 383 | 14,738 |
| 8/21/2015 | ON | 93,890 | 41,558 | 23,936 | 11.0 | 177,000 | 46,100 | 99.3 | 0.2 | 403 | 14,871 |
| 8/28/2015 | ON | 92,906 | 41,726 | 23,768 | 11.0 | 177,000 | 46,268 | 98.7 | 0.1 | 384 | 14,936 |

TABLE 1
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4M OUTCROP MITIGATION PROJECT
LA PLATA COUNTY, COLORADO**

BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 9/4/2015 | ON | 91,916 | 41,893 | 23,601 | 11.0 | 177,000 | 46,435 | 97.2 | 0.1 | 370 | 14,998 |
| 9/11/2015 | ON | 90,908 | 42,063 | 23,431 | 11.0 | 177,000 | 46,605 | 96.8 | 0.1 | 398 | 15,065 |
| 9/17/2015 | ON | 90,024 | 42,208 | 23,286 | 11.0 | 177,000 | 46,786 | 96.4 | 0.1 | 388 | 15,122 |
| 9/25/2015 | ON | 88,884 | 42,397 | 23,097 | 11.0 | 177,000 | 46,939 | 98.3 | 0.1 | 371 | 15,192 |
| 9/30/2015 | ON | 88,003 | 42,543 | 22,951 | 11.0 | 177,000 | 47,086 | 98.6 | 0.1 | 398 | 15,250 |
| 10/9/2015 | ON | 86,861 | 42,731 | 22,763 | 11.0 | 177,000 | 47,274 | 98.2 | 0.1 | 358 | 15,317 |
| 10/23/2015 | ON | 84,783 | 43,069 | 22,425 | 11.0 | 177,000 | 47,612 | 96.1 | 0.1 | 360 | 15,439 |
| 10/30/2015 | ON | 83,710 | 43,238 | 22,256 | 11.0 | 177,000 | 47,781 | 97.3 | 0.1 | 369 | 15,501 |
| 11/5/2015 | ON | 82,787 | 43,384 | 22,110 | 11.0 | 177,000 | 47,927 | 98.9 | 0.1 | 360 | 15,554 |
| 11/13/2015 | ON | 81,549 | 43,577 | 21,917 | 11.0 | 177,000 | 48,120 | 99.0 | 0.1 | 360 | 15,623 |
| 11/20/2015 | ON | 80,479 | 43,746 | 21,748 | 11.0 | 177,000 | 48,289 | 98.5 | 0.1 | 376 | 15,687 |
| 11/25/2015 | ON | 79,112 | 43,866 | 21,628 | 11.0 | 177,000 | 48,409 | 99.7 | 0.1 | 358 | 15,879 |
| 12/4/2015 | ON | 78,348 | 44,082 | 21,412 | 11.0 | 177,000 | 48,625 | 100.8 | 0.1 | 350 | 15,804 |
| 12/11/2015 | ON | 77,301 | 44,249 | 21,245 | 11.0 | 177,000 | 48,791 | 98.4 | 0.1 | 366 | 15,866 |
| 2/5/2016 | OFF | 84,304 | 44,427 | 21,067 | 11.0 | 177,000 | 49,036 | 97.0 | 0.2 | 303 | 15,919 |
| 2/12/2016 | ON | 84,021 | 44,593 | 20,901 | 11.0 | 177,000 | 49,202 | 93.0 | 0.1 | 936 | 16,075 |
| 2/19/2016 | ON | 83,385 | 44,761 | 20,733 | 11.0 | 177,000 | 49,370 | 93.4 | 0.1 | 308 | 16,127 |
| 2/26/2016 | ON | 82,813 | 44,927 | 20,567 | 11.0 | 177,000 | 49,537 | 93.4 | 0.1 | 296 | 16,176 |
| 3/4/2016 | ON | 82,075 | 45,098 | 20,396 | 11.0 | 177,000 | 49,707 | 92.8 | 0.1 | 304 | 16,228 |
| 3/18/2016 | ON | 80,193 | 45,435 | 20,059 | 11.0 | 177,000 | 50,044 | 99.4 | 0.1 | 320 | 16,336 |
| 3/31/2016 | ON | 78,714 | 45,742 | 19,752 | 11.0 | 177,000 | 50,352 | 100.0 | 0.1 | 325 | 16,435 |
| 4/11/2016 | ON | 77,286 | 46,009 | 19,485 | 11.0 | 177,000 | 50,618 | 100.0 | 0.1 | 336 | 16,525 |
| 4/20/2016 | ON | 76,047 | 46,222 | 19,272 | 11.0 | 177,000 | 50,832 | 100.0 | 0.3 | 323 | 16,594 |
| 4/30/2016 | ON | 74,695 | 46,437 | 19,057 | 11.0 | 177,000 | 51,047 | 98.9 | 0.1 | 313 | 16,661 |
| 5/6/2016 | ON | 73,717 | 46,604 | 18,890 | 11.0 | 177,000 | 51,215 | 99.9 | 0.1 | 340 | 16,718 |
| 5/13/2016 | ON | 72,624 | 46,774 | 18,720 | 11.0 | 177,000 | 51,384 | 99.6 | 0.1 | 333 | 16,775 |
| 5/20/2016 | ON | 71,590 | 46,941 | 18,553 | 11.0 | 177,000 | 51,551 | 99.2 | 0.1 | 326 | 16,829 |
| 5/27/2016 | ON | 70,580 | 47,106 | 18,388 | 11.0 | 177,000 | 51,717 | 98.8 | 0.1 | 325 | 16,883 |
| 6/3/2016 | ON | 69,545 | 47,277 | 18,217 | 11.0 | 177,000 | 51,888 | 98.8 | 0.1 | 351 | 16,943 |
| 6/17/2016 | ON | 67,556 | 47,611 | 17,883 | 11.0 | 177,000 | 52,221 | 99.4 | 0.1 | 336 | 17,055 |
| 6/24/2016 | ON | 66,552 | 47,781 | 17,713 | 11.0 | 177,000 | 52,392 | 95.8 | 0.1 | 315 | 17,108 |
| 7/8/2016 | ON | 64,597 | 48,113 | 17,381 | 11.0 | 177,000 | 52,724 | 99.6 | 0.1 | 336 | 17,220 |
| 7/15/2016 | ON | 63,584 | 48,285 | 17,209 | 11.0 | 177,000 | 52,896 | 98.4 | 0.1 | 355 | 17,281 |

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4M OUTCROP MITIGATION PROJECT
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|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 7/28/2016 | ON | 64,632 | 48,341 | 17,153 | 11.0 | 177,000 | 53,299 | 96.0 | 0.6 | 790 | 17,325 |
| 8/5/2016 | ON | 63,650 | 48,508 | 16,986 | 11.0 | 177,000 | 53,396 | 97.8 | 0.2 | 778 | 17,455 |
| 8/11/2016 | ON | 63,151 | 48,600 | 16,894 | 11.0 | 177,000 | 53,488 | 100.0 | 0.1 | 484 | 17,500 |
| 8/19/2016 | ON | 62,020 | 48,790 | 16,704 | 11.0 | 177,000 | 53,678 | 99.0 | 0.1 | 464 | 17,588 |
| 8/26/2016 | ON | 61,013 | 48,959 | 16,535 | 11.0 | 177,000 | 53,847 | 100.0 | 0.1 | 445 | 17,663 |
| 11/15/2016 | ON | 100,992 | 48,960 | 16,534 | 11.0 | 177,000 | 53,848 | 100.0 | 0.2 | 364 | 17,663 |
| 12/1/2016 | ON | 100,891 | 49,133 | 16,361 | 11.0 | 177,000 | 54,022 | 100.0 | 0.1 | 413 | 17,735 |
| 1/10/2017 | ON | 106,134 | 49,230 | 16,264 | 11.0 | 177,000 | 54,121 | 100.0 | 0.1 | 356 | 17,769 |
| 1/17/2017 | ON | 105,396 | 49,383 | 16,111 | 11.0 | 177,000 | 54,274 | 100.0 | 0.1 | 370 | 17,826 |
| 1/24/2017 | ON | 104,505 | 49,549 | 15,945 | 11.0 | 177,000 | 54,440 | 100.0 | 0.1 | 378 | 17,889 |
| 1/27/2017 | ON | 104,455 | 49,624 | 15,870 | 11.0 | 177,000 | 54,514 | 100.0 | 0.1 | 321 | 17,913 |
| 2/3/2017 | ON | 103,947 | 49,793 | 15,701 | 11.0 | 177,000 | 54,683 | 100.0 | 0.1 | 350 | 17,972 |
| 2/10/2017 | ON | 103,052 | 49,960 | 15,534 | 11.0 | 177,000 | 54,851 | 100.0 | 0.1 | 351 | 18,031 |
| 2/17/2017 | ON | 102,119 | 50,127 | 15,367 | 11.0 | 177,000 | 55,018 | 100.0 | 0.1 | 323 | 18,085 |
| 2/23/2017 | ON | 101,328 | 50,268 | 15,226 | 11.0 | 177,000 | 55,159 | 100.0 | 0.1 | 326 | 18,130 |
| 3/3/2017 | ON | 100,456 | 50,463 | 15,031 | 11.0 | 177,000 | 55,354 | 100.0 | 0.1 | 331 | 18,195 |
| 3/10/2017 | ON | 99,419 | 50,624 | 14,870 | 11.0 | 177,000 | 55,515 | 100.0 | 0.1 | 311 | 18,245 |
| 3/17/2017 | ON | 98,419 | 50,785 | 14,709 | 11.0 | 177,000 | 55,676 | 100.0 | 0.1 | 433 | 18,315 |
| 3/31/2017 | ON | 96,299 | 51,118 | 14,376 | 11.0 | 177,000 | 56,009 | 100.0 | 0.1 | 364 | 18,436 |
| 4/10/2017 | ON | 94,734 | 51,361 | 14,133 | 11.0 | 177,000 | 56,253 | 100.0 | 0.1 | 333 | 18,517 |
| 4/14/2017 | ON | 94,158 | 51,453 | 14,041 | 11.0 | 177,000 | 56,344 | 100.0 | 0.1 | 341 | 18,548 |
| 4/21/2017 | ON | 93,101 | 51,621 | 13,873 | 11.0 | 177,000 | 56,513 | 100.0 | 0.1 | 346 | 18,606 |
| 5/3/2017 | ON | 91,256 | 51,911 | 13,583 | 11.0 | 177,000 | 56,803 | 100.0 | 0.1 | 336 | 18,704 |
| 5/11/2017 | ON | 90,074 | 52,101 | 13,393 | 11.0 | 177,000 | 56,992 | 100.0 | 0.1 | 340 | 18,768 |
| 5/19/2017 | ON | 88,870 | 52,292 | 13,202 | 11.0 | 177,000 | 57,184 | 100.0 | 0.1 | 348 | 18,835 |
| 5/26/2017 | ON | 87,825 | 52,458 | 13,036 | 11.0 | 177,000 | 57,350 | 100.0 | 0.1 | 330 | 18,890 |
| 6/15/2017 | ON | 84,907 | 52,935 | 12,559 | 11.0 | 177,000 | 57,827 | 86.6 | 0.1 | 330 | 19,047 |
| 7/21/2017 | ON | 80,133 | 53,741 | 11,753 | 11.0 | 177,000 | 58,634 | 100.0 | 0.1 | 378 | 19,352 |
| 7/26/2017 | ON | 79,414 | 53,860 | 11,634 | 11.0 | 177,000 | 58,753 | 100.0 | 0.1 | 369 | 19,396 |
| 8/4/2017 | ON | 79,394 | 53,892 | 11,602 | 11.0 | 177,000 | 58,785 | 100.0 | 0.1 | 491 | 19,411 |
| 8/11/2017 | ON | 78,754 | 54,006 | 11,488 | 11.0 | 177,000 | 58,899 | 100.0 | 0.1 | 534 | 19,472 |
| 9/15/2017 | OFF | 79,877 | 54,152 | 11,342 | 11.0 | 177,000 | 59,440 | 100.0 | 0.1 | 121 | 19,490 |
| 9/29/2017 | ON | 78,421 | 54,392 | 11,102 | 11.0 | 177,000 | 59,682 | 100.0 | 0.1 | 341 | 19,572 |

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LA PLATA COUNTY, COLORADO**

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| Date | System Status Upon Arrival | Electric Meter (kW) | Corrected Turbine (hours) | Turbine (hours) | Turbine Demand (kW) | From Chart, Btu/hr needed | Compressor (hours) | Methane (%) | Oxygen (% or ppm) | Calculated Methane Flow (scfh) | Cumulative Calculated Methane Recovered (mcf) |
|------------|----------------------------|---------------------|---------------------------|-----------------|---------------------|---------------------------|--------------------|-------------|-------------------|--------------------------------|---|
| 10/17/2017 | ON | 75,675 | 54,821 | 10,673 | 11.0 | 177,000 | 60,110 | 100.0 | 0.1 | 458 | 19,768 |
| 10/31/2017 | ON | 73,487 | 55,157 | 10,337 | 11.0 | 177,000 | 60,446 | 100.0 | 0.1 | 576 | 19,962 |
| 11/30/2017 | ON | 71,792 | 55,494 | 10,000 | 11.0 | 177,000 | 60,784 | 100.0 | 0.1 | 463 | 20,118 |
| 12/13/2017 | ON | 72,504 | 55,580 | 9,914 | 11.0 | 177,000 | 60,869 | 100.0 | 0.1 | 445 | 20,156 |

Notes:

kW - kilowatts

Btu/hr - British thermal units per hour

% - percent

mcf - 1,000 cubic feet

some kwh readings 1st qtr 2011 adjusted to correct meter readings compared to LPEA readings

ppm - parts per million

scfh - standard cubic feet per hour

-- reading not collected/not applicable

* - new flow meter was installed

TABLE 2
GAS CONCENTRATIONS AT MANIFOLD

**SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION**

| Date | Manifold Line 1 | | | Manifold Line 2 | | | Manifold Line 3 | | | Manifold Line 4 | | | Manifold Line 5 | | | Combined Lines | | | Zone 5 - East Side of Creek, North Pipe | | | Zone 5 - East Side of Creek, South Pipe | | | Zone 5 - West Side of Creek, South Pipe | | | | | |
|------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---|----------------------|--------------------|---|----------------------|--------------------|---|----------------------|--------------------|----|----|----|
| | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | | | |
| 1/8/2013 | 100 | 0 | 1.5 | 100 | 0 | 1.2 | 100 | 0 | 0.7 | 100 | 0 | 1.1 | 100 | 0 | 0.9 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 2/8/2013 | 100 | 0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | |
| 3/7/2013 | 100 | 0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | |
| 4/5/2013 | 100 | 1.9 | 4.2 | 100 | 2.2 | 5.7 | 100 | 1.7 | 4.9 | 100 | 2.2 | 6.4 | 100 | 2.5 | 7.1 | 100 | 2.1 | 3.1 | Line Broken | | | Shut off to system | | | 100 | 7.2 | 6.2 | | | |
| 5/3/2013 | 100 | 0 | 3.8 | 100 | 1.1 | 4.2 | 100 | 0.9 | 4.3 | 100 | 1.7 | 2.1 | 100 | 3 | 5.3 | 100 | 2.7 | 2.2 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 6/13/2013 | 100 | 0 | 1.2 | 100 | 0 | 1.4 | 100 | 0 | 1.3 | 100 | 0.6 | 1.4 | 100 | 13.5 | 1.6 | 100 | 3 | 1.2 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 7/12/2013 | 100 | 1.5 | 0 | 100 | 1.4 | 0 | 100 | 1.4 | 0 | 100 | 1.1 | 0 | 100 | 8.4 | 0.5 | 100 | 3.4 | 0 | 100 | 10.9 | 0 | 100 | 16.7 | 0 | 100 | 13.1 | 0 | | | |
| 8/9/2013 | 100 | 1.8 | 0 | 100 | 1.4 | 0 | 100 | 2.2 | 0 | 100 | 23.3 | 0 | 100 | 9.6 | 0 | 100 | 0 | 0 | 100 | 13.1 | 0 | 100 | 12.4 | 0 | 0 | 0 | 20.9 | | | |
| 9/11/2013 | 100 | 0 | 11.1 | 100 | 1.1 | 0 | 100 | 1.1 | 0 | 100 | 0 | 0 | 100 | 6.1 | 0 | 100 | 0 | 10.5 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 10/11/2013 | 100 | 2.7 | 0.3 | 100 | 3.1 | 0 | 100 | 1.5 | 0.1 | 100 | 12.4 | 0 | 100 | 9.3 | 0 | 100 | 5.5 | 0.2 | 0 | 0 | 20.9 | 0 | 1.2 | 20.9 | 100 | 26.7 | 16.2 | | | |
| 11/1/2013 | 100 | 1.4 | 0.4 | 100 | 1.7 | 0 | 100 | 1.2 | 0 | 100 | 3.4 | 0 | 100 | 7 | 0 | 100 | 4.8 | 0.1 | 100 | 5 | 1.1 | 100 | 1.1 | 1.2 | 100 | 10.1 | 2.3 | | | |
| 12/19/2014 | 100 | 1.1 | 0.8 | 100 | 1.5 | 0 | 100 | 2 | 0 | 100 | 0 | 0 | 100 | 7.1 | 0 | 100 | 0 | 0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | |
| 1/10/2014 | 100 | 3.1 | 1.7 | 100 | 2.1 | 2 | 100 | 0.7 | 1.7 | 100 | 2.4 | 1.9 | 100 | 7.3 | 1.9 | 100 | 3.1 | 1.7 | 100 | 8.5 | 1.5 | 100 | 1.2 | 1.9 | 100 | 9.6 | 1.8 | | | |
| 2/27/2014 | 100 | 2.5 | 0.9 | 100 | 1.9 | 0 | 100 | 1.1 | 0 | 100 | 2.5 | 1.7 | 100 | 6.1 | 0 | 100 | 2.8 | 0.8 | 100 | 10.2 | 1.7 | 100 | 0.3 | 0.8 | 100 | 8.2 | 1.2 | | | |
| 3/14/2014 | 100 | 1 | 0 | 100 | 0 | 0 | 100 | 1 | 0 | 100 | 0 | 0 | 100 | 5 | 0 | 100 | 3 | 0 | 100 | 9 | 0 | 100 | 3 | 0 | 100 | 7 | 0 | | | |
| 4/11/2014 | 100 | 2.1 | 0.2 | 100 | 1.2 | 0 | 100 | 1.3 | 0 | 100 | 1.6 | 0.9 | 100 | 6.2 | 0.3 | 100 | 3.3 | 0.1 | 100 | 10.5 | 2 | 100 | 2.7 | 1.1 | 100 | 9.4 | 0.8 | | | |
| 5/1/2014 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | |
| 6/1/2014 | 100 | 2.5 | 0.3 | 100 | 1.5 | 0 | 100 | 0.2 | 0.2 | 100 | 1.9 | 0 | 100 | 4.2 | 1.1 | 100 | 2.1 | 0.2 | 100 | 11.5 | 0 | 100 | 0.8 | 0.3 | 100 | 10.2 | 0 | | | |
| 7/25/2014 | 100 | 0 | 0 | 100 | 1.4 | 0 | 100 | 1.4 | 0 | 100 | 0 | 1.5 | 100 | 9.6 | 0 | 100 | 2.4 | 0 | 100 | 12.5 | 0 | 100 | 0 | 0 | 100 | 12.4 | 0 | | | |
| 8/1/2015 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | |
| 9/22/2014 | 100 | 0 | 0 | 100 | 1.6 | 0 | 100 | 1.2 | 0.5 | 100 | 0 | 2 | 100 | 8.9 | 0 | 100 | 3 | 0 | 100 | 11.8 | 0 | 100 | 1 | 0 | 100 | 10.7 | 0 | | | |
| 10/24/2014 | 100 | 0.8 | 0 | 100 | 1.2 | 0 | 100 | 0 | 0 | 100 | 0 | 0 | 100 | 10.7 | 0 | 100 | 2.4 | 0 | 100 | 5.5 | 0 | 100 | 0 | 0 | 100 | 8.2 | 0 | | | |
| 11/11/2014 | 100 | 1.3 | 0 | 100 | 2.2 | 0 | 100 | 0 | 0 | 100 | 1.3 | 0 | 100 | 1.9 | 0 | 100 | 2.5 | 0 | 100 | 0.9 | 0 | 100 | 0.9 | 0 | 100 | 0.2 | 0 | | | |
| 12/17/2014 | 100 | 2.0 | 1.8 | 100 | 2.5 | 2.0 | 100 | 0.0 | 1.8 | 100 | 1.5 | 2.1 | 100 | 2 | 2.2 | 100 | 3.0 | 1.8 | 100 | 5.6 | 1.7 | 100 | 0.0 | 1.7 | 100 | 0.0 | 1.9 | | | |
| 2/20/2015 | 100 | 0 | 6.7 | 100 | 0 | 7.5 | 100 | 0 | 7.7 | 100 | 0 | 6.9 | 100 | 1.1 | 15.5 | 100 | 1.7 | 6.9 | 100 | 2.1 | 7.3 | 100 | 2.2 | 7.8 | 100 | 1.6 | 8.3 | | | |
| 3/20/2015 | 100 | 1.5 | 6.2 | 100 | 2.6 | 1.6 | 100 | 1.5 | 4.3 | 100 | 1.5 | 6.3 | 100 | 2.6 | 9.6 | 100 | 0.0 | 5.3 | 100 | 5.9 | 6.5 | 100 | 6.2 | 5.2 | 100 | 4.8 | 5.4 | | | |
| 4/24/2015 | 100 | 0.0 | 6.4 | 100 | 0.0 | 5.3 | 100 | 0.0 | 6.2 | 100 | 0.0 | 6.6 | 100 | 1.1 | 6.2 | 100 | 0.0 | 5.3 | 100 | 1.6 | 7.8 | 100 | 0.0 | 7.0 | 100 | 0.00 | 6.8 | | | |
| 5/30/2015 | 100 | 0.0 | 5.8 | 100 | 1.1 | 2.7 | 100 | 0.0 | 4.9 | 100 | 0.0 | 6.4 | 100 | 5.4 | 4.0 | 100 | 1.9 | 5.2 | 100 | 4.6 | 6.7 | 100 | 2.4 | 5.5 | 100 | 3.5 | 6.2 | | | |
| 6/25/2015 | 100 | 0.0 | 3.1 | 100 | 1.5 | 2.1 | 100 | 0.0 | 3.3 | 100 | 1.3 | 2.3 | 100 | 7.6 | 2.4 | 100 | 2.3 | 2.4 | 100 | 1.5 | 1.9 | 100 | 9.1 | 2.1 | 100 | 3.0 | 2.0 | | | |
| 8/28/2015 | 100 | 0.0 | 2.7 | 100 | 0.0 | 3.1 | 100 | 0.0 | 3.6 | 100 | 0.0 | 3.6 | 100 | 5.9 | 3.1 | 100 | 3.1 | 11.2 | 100 | 2.1 | 3.6 | 100 | 2.2 | 3.4 | 100 | 0.0 | 3.1 | | | |
| 9/30/2015 | 100 | 0.0 | 1.6 | 100 | 0.0 | 1.5 | 100 | 0.0 | 1.4 | 100 | 0.7 | 2 | 100 | 8 | 1.8 | 100 | 2.0 | 1.3 | 100 | 8.5 | 1.7 | 100 | 5.2 | 1.8 | 100 | 0.0 | 1.8 | | | |
| 10/30/2015 | 100 | 0.0 | 2.1 | 100 | 1.3 | 2 | 100 | 0.0 | 2.3 | 100 | 6.2 | 1.9 | 100 | 7.5 | 1.8 | 100 | 0.0 | 18.9 | 100 | 10.4 | 2 | 100 | 3.3 | 2.9 | 100 | 0.0 | 1.9 | | | |
| 12/30/2015 | 100 | 0.0 | 18.1 | 100 | 0.0 | 2.1 | 100 | 0.0 | 3.3 | 100 | 0.0 | 2.3 | 100 | 0.0 | 2.2 | 100 | 0.0 | 5 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 1/29/2016 | 100 | 1.2 | 3.3 | 100 | 1.2 | 3.2 | 100 | 1.2 | 2.4 | 100 | 2.0 | 0.0 | 100 | 2.0 | 2.1 | 100 | 2.0 | 0.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 2/26/2016 | 100 | 1.3 | 2.9 | 100 | 1.7 | 1.0 | 100 | 0.0 | 1.2 | 100 | 1.7 | 0.8 | 100 | 3.0 | 0.5 | 100 | 1.7 | 0.0 | 100 | 7.4 | 1.1 | NM | NM | NM | 100 | 0.0 | 20.8 | | | |
| 3/31/2016 | 100 | 0.0 | 0 | 100 | 1.3 | 0 | 100 | 0.0 | 0 | 100 | 1.3 | 0 | 100 | 8 | 0 | 100 | 0.0 | 0 | 100 | 8 | 0 | 0 | 0 | 0 | 20.9 | 100 | 0.0 | 0 | 0 | |

TABLE 2
GAS CONCENTRATIONS AT MANIFOLD

SOUTH FORK TEXAS CREEK
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | Manifold Line 1 | | | Manifold Line 2 | | | Manifold Line 3 | | | Manifold Line 4 | | | Manifold Line 5 | | | Combined Lines | | | Zone 5 - East Side of Creek, North Pipe | | | Zone 5 - East Side of Creek, South Pipe | | | Zone 5 - West Side of Creek, South Pipe | | |
|------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---------------------|----------------------|--------------------|---|----------------------|--------------------|---|----------------------|--------------------|---|----------------------|--------------------|
| | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) |
| 4/29/2016 | 100 | 1.5 | 1.4 | 100 | 1.4 | 1.8 | 100 | 0.0 | 4.4 | 100 | 0.0 | 14.5 | 100 | 0.0 | 18.5 | 100 | 0.0 | 1.7 | 100 | 9.1 | 3.1 | 100 | 3.6 | 1.7 | 100 | 0.0 | 2.1 |
| 5/27/2016 | 100 | 0.0 | 2.0 | 100 | 0.0 | 1.8 | 100 | 0.0 | 0.0 | 100 | 0.0 | 3.6 | 100 | 0.0 | 15.5 | 100 | 1.3 | 17.6 | 100 | 8.4 | 0.0 | 100 | 0.0 | 0.0 | 100.0 | 0.0 | 20.8 |
| 6/24/2016 | 100 | 0.0 | 2.3 | 100 | 0.0 | 1.9 | 100 | 0.0 | 2.6 | 100 | 0.0 | 7.6 | 100 | 0.0 | 13.7 | 100 | 0.8 | 6.2 | 100 | 10.5 | 0.6 | 100 | 1.3 | 0.9 | 100.0 | 0.0 | 5.8 |
| 7/28/2016 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 15.2 | 100 | 1.2 | 18.8 | 100 | 0.0 | 20.8 | 100 | 0.0 | 20.9 | 100 | 0.0 | 20.9 | 100.0 | 0.0 | 12.5 |
| 9/14/2016 | 100 | 0.0 | 4.0 | 100 | 0.0 | 6.4 | 100 | 0.0 | 5.0 | 100 | 0.0 | 14.5 | 100 | 1.9 | 0.0 | 100 | 1.6 | 0.0 | 100 | 6.1 | 4.1 | 100 | 5.2 | 3.8 | 100.0 | 100.0 | 7.3 |
| 1/31/2017 | 100 | 0.0 | 3.8 | 100 | 0.0 | 5.5 | 100 | 0.0 | 3.2 | 100 | 0.0 | 3.5 | 100 | 2.4 | 3.5 | 100 | 1.8 | 16.6 | 100 | 7.2 | 5.2 | 100 | 5.8 | 3.7 | 100.0 | 100.0 | 10.0 |
| 2/16/2017 | 100 | 0.0 | 3.0 | 100 | 1.3 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 4.1 | 2.1 | 100 | 1.9 | 0.4 | 100 | 3.8 | 2.5 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.7 |
| 3/31/2017 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 1.4 | 0.0 | 100 | 4.6 | 0.0 | 100 | 2.7 | 0.0 | 100 | 2.5 | 5.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 4/21/2017 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 1.4 | 0.0 | 100 | 4.9 | 0.4 | 100 | 1.7 | 6.7 | 100 | 6.2 | 0.0 | 100 | 2.6 | 20.9 | 0.0 | 0.0 | 20.9 |
| 5/11/2017 | 100 | 0.8 | 0.0 | 100 | 0.7 | 0.0 | 100 | 0.6 | 0.0 | 100 | 0.8 | 0.0 | 100 | 2.6 | 0.0 | 100 | 1.7 | 0.0 | 100 | 6.2 | 0.0 | 100 | 0.8 | 14.1 | 0.0 | 0.0 | 20.9 |
| 7/26/2017 | 100 | 0.0 | 9.6 | 100 | 0.0 | 8.7 | 100 | 0.0 | 4.7 | 100 | 0.0 | 1.4 | 100 | 4.0 | 1.8 | 100 | 0.8 | 19.4 | 15 | 0.0 | 19.7 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 8/16/2017 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 3.5 | 0.0 | 100 | 0.0 | 19.6 | 50 | 0.0 | 19.4 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 9/29/2017 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 3.3 | 0.5 | 100 | 1.3 | 0.0 | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 10/31/2017 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 3.2 | 0.0 | 100 | 1.7 | 19.6 | 100 | 6.7 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 11/30/2017 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 3.8 | 0.5 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100.0 | 0.0 | 3.6 | 100.0 | 0.0 | 3.5 |
| 12/13/2017 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100 | 0.0 | 5.4 | 100 | 0.0 | 0.0 | 100 | 0.0 | 0.0 | 100.0 | 0.0 | 10.0 | 100.0 | 0.0 | 0.0 |

% - Percent

CH₄ - Methane

H₂S - Hydrogen sulfide

O₂ - Oxygen

NM - Not Measured

TABLE 3
GAS CONCENTRATIONS AT MANIFOLD

PINE RIVER
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | Line 1 | | | Line 2 | | | Line 3 | | | Line 4 | | | Combined | | |
|------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|-----------------------|
| | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) | CH ₄ (%) | H ₂ S (%) | O ₂ (%) |
| 1/8/2013 | 5.0 | 0.0 | 14.5 | 19.0 | 0.0 | 13.4 | 80.0 | 0.0 | 7.6 | 3.8 | 0.0 | 18.3 | NM | NM | NM |
| 2/8/2013 | 4.0 | 0.0 | 14.0 | 22.0 | 0.0 | 12.6 | 78.0 | 0.0 | 8.0 | 4.0 | 0.0 | 20.0 | NM | NM | NM |
| 3/7/2013 | 25.0 | 0.0 | 14.0 | 15.0 | 0.0 | 12.9 | 31.0 | 0.0 | 7.7 | 3.8 | 0.0 | 19.0 | 25.0 | 0.0 | 19.0 |
| 4/5/2013 | 1.0 | 0.0 | 17.0 | 0.4 | 0.0 | 19.2 | 10.0 | 0.0 | 13.4 | 1.9 | 0.0 | 16.4 | 2.6 | 0.0 | 14.5 |
| 5/3/2013 | 1.1 | 0.0 | 16.8 | 0.5 | 0.0 | 19.0 | 21.0 | 0.0 | 12.4 | 18.0 | 0.0 | 14.1 | 3.6 | 0.0 | 15.0 |
| 6/13/2013 | 0.4 | 0.0 | 18.0 | 1.3 | 0.0 | 16.3 | 3.2 | 0.0 | 9.7 | 1.1 | 0.0 | 15.6 | 1.1 | 0.0 | 0.0 |
| 7/12/2013 | 8.0 | 0.0 | 20.9 | 0.0 | 0.0 | 17.4 | 11.0 | 0.0 | 14.3 | 0.0 | 0.0 | 18.0 | 3.0 | 0.0 | 17.2 |
| 8/9/2013 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 16.9 | 0.0 | 0.0 | 16.8 | 0.0 | 0.0 | 16.6 | 0.0 | 0.0 | 16.7 |
| 9/11/2013 | 2.5 | 0.0 | 9.9 | 0.4 | 0.0 | 13.5 | 5.0 | 0.0 | 7.2 | 0.6 | 0.0 | 13.0 | 2.3 | 0.0 | 11.9 |
| 10/11/2013 | 0.0 | 0.0 | 18.4 | 0.0 | 0.0 | 16.4 | 5.0 | 0.0 | 10.6 | 2.6 | 0.0 | 10.5 | 1.8 | 0.0 | 13.6 |
| 11/22/2013 | 0.0 | 0.0 | 13.1 | 0.5 | 0.0 | 17.2 | 4.0 | 0.0 | 8.0 | 0.0 | 0.0 | 15.0 | 2.0 | 0.0 | 16.9 |
| 12/19/2013 | 1.1 | 0.0 | 15.1 | 2.0 | 0.0 | 15.4 | 5.0 | 0.0 | 12.8 | 4.3 | 0.0 | 13.1 | 2.9 | 0.0 | 14.9 |
| 1/10/2014 | 0.3 | 0.0 | 13.4 | 4.2 | 0.0 | 12.0 | 5.0 | 0.0 | 9.3 | 5.0 | 0.0 | 7.5 | 2.4 | 0.0 | 12.3 |
| 2/7/2014 | 0.4 | 0.0 | 10.1 | 1.0 | 0.0 | 12.4 | 4.4 | 0.0 | 8.0 | 5.0 | 0.0 | 0.0 | 3.1 | 0.0 | 14.0 |
| 3/14/2014 | 5.0 | 0.0 | 6.9 | 5.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | 5.0 | 4.4 | 0.0 | 5.0 | 0.0 | 0.0 |
| 4/11/2014 | 0.0 | 0.0 | 18.2 | 0.2 | 0.0 | 17.0 | 1.1 | 0.0 | 11.2 | 0.7 | 0.0 | 15.2 | 0.4 | 0.0 | 16.5 |
| 5/1/2014* | NM | NM | NM |
| 6/24/2014 | 0 | 0 | 16.6 | 0 | 0 | 18.2 | 0.83 | 0 | 11.3 | 0 | 0 | 16.8 | 7 | 0 | 15.2 |
| 7/30/2014 | 0.25 | 0 | 16.8 | 0 | 0 | 18.4 | 2.05 | 0 | 9.4 | 1.35 | 0 | 13.3 | 0.25 | 0 | 17.8 |
| 8/12/2014 | 0.3 | 0 | 16.5 | 0.25 | 0 | 18.9 | 2.1 | 0 | 10.2 | 1.65 | 0 | 15.2 | 0.25 | 0 | 18 |
| 9/22/2014 | 0.35 | 0 | 17.1 | 0 | 19 | 0 | 2.65 | 0 | 8.9 | 1.55 | 0 | 15 | 0.3 | 0 | 18.3 |
| 10/24/2014 | 0.75 | 0 | 15.4 | 0.35 | 0 | 17.2 | 1.9 | 0 | 14.9 | 2 | 0 | 15.8 | 1.15 | 0 | 17 |
| 11/11/2014 | 0.45 | 0 | 16.4 | 0 | 0 | 18.2 | 4.6 | 0 | 12.9 | 1.8 | 0 | 16.3 | 3.95 | 0 | 13.7 |
| 12/17/2014 | 0.5 | 0 | 17 | 0.25 | 0 | 17.8 | 3.6 | 0 | 14.4 | 1.35 | 0 | 16.8 | 0.8 | 0 | 17.2 |
| 1/22/2015 | 0.25 | 0 | 18.7 | 0.15 | 0 | 19.8 | 2.3 | 0 | 15.5 | 1.75 | 0 | 16.8 | 3.15 | 0 | 14.8 |
| 2/20/2015 | 0 | 0 | 16.9 | 2.35 | 0 | 15.5 | 4.25 | 0 | 12.9 | 0 | 0 | 19.6 | 1.9 | 0 | 16.5 |
| 3/20/2015 | 1.7 | 0 | 14.1 | 0 | 0 | 19.5 | 0 | 0 | 19.8 | 0 | 0 | 16.9 | 2.4 | 0 | 16.9 |
| 4/24/2015 | 0 | 0 | 18.3 | 0 | 0 | 19.5 | 0.2 | 0 | 17.3 | 0 | 0 | 18.6 | 0 | 0 | 18.1 |
| 5/30/2015 | 0 | 0 | 18.8 | 0 | 0 | 19.3 | 0 | 0 | 19.5 | 0 | 0 | 19.3 | 0 | 0 | 19.4 |
| 6/25/2015 | 0 | 0 | 18.5 | 0 | 0 | 18.3 | 0 | 0 | 14.8 | 0.25 | 0 | 16.6 | 0 | 0 | 17.9 |
| 8/28/2015 | 0 | 0 | 20.9 | 0 | 0 | 20.2 | 0 | 0 | 20.7 | 0 | 0 | 20.8 | 0 | 0 | 20.5 |
| 9/30/2015 | 0 | 0 | 20.9 | 0 | 0 | 19.9 | 0 | 0 | 17.1 | 0 | 0 | 20.9 | 0 | 0 | 20.9 |
| 10/30/2015 | 0.2 | 0.0 | 19.1 | 0 | 0.0 | 19.2 | 0.9 | 0.0 | 10.5 | 0.85 | 0.0 | 18 | 1.45 | 0.0 | 16.8 |
| 12/30/2015 | 5 | 0 | 19.4 | 4 | 0 | 19.4 | >5 | 0 | 12.4 | 4 | 0 | 19.8 | 5 | 0 | 19 |

TABLE 3
GAS CONCENTRATIONS AT MANIFOLD

PINE RIVER
4M OUTCROP MITIGATION PROJECT
BP AMERICA PRODUCTION COMPANY & COLORADO OIL AND GAS CONSERVATION COMMISSION

| Date | Line 1 | | | Line 2 | | | Line 3 | | | Line 4 | | | Combined | | |
|-------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|
| | CH₄ (%) | H₂S (%) | O₂ (%) |
| 1/29/2016 | 0 | 0 | 20.9 | 0 | 0 | 20.9 | 0 | 0 | 20.8 | 0 | 0 | 20.9 | 0 | 0 | 20.9 |
| 2/26/2016 | 0 | 0 | 20.9 | 0 | 0 | 20.9 | 3.20 | 0 | 20.9 | 0 | 0 | 20.9 | 0 | 0 | 20.9 |
| 3/31/2016 | 0 | 0.0 | 20.9 | 0 | 0.0 | 19.3 | 0.75 | 0.0 | 14.6 | 0 | 0.0 | 18.0 | 1.15 | 0.0 | 15.1 |
| 4/29/2016 | 0 | 0.0 | 19.7 | 0 | 0.0 | 20.4 | 0.4 | 0.0 | 18.0 | 0.1 | 0.0 | 20.2 | 0 | 0.0 | 20.5 |
| 5/27/2016 | 0.0 | 0.0 | 20.8 | 0.0 | 0.0 | 20.8 | 0.0 | 0.0 | 20.8 | 0.0 | 0.0 | 20.8 | 0.4 | 0.0 | 17.8 |
| 6/24/2016 | 0.4 | 0.0 | 20.8 | 0.0 | 0.0 | 20.1 | 0.0 | 0.0 | 20.8 | 0.2 | 0.0 | 20.4 | 0.5 | 0.0 | 19.6 |
| 7/28/2016 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 9/14/2016 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 1/31/2017 | 0.0 | 0.0 | 20.2 | 0.0 | 0.0 | 18.7 | 0.0 | 0.0 | 19.9 | 0.0 | 0.0 | 20.0 | 0.0 | 0.0 | 20.9 |
| 2/16/2017 | 0.0 | 0.0 | 19.7 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 18.8 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 3/31/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.1 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 17.6 | 0.0 | 0.0 | 20.9 |
| 4/21/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 |
| 5/11/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 19.2 | 0.0 | 0.0 | 20.9 |
| 7/26/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 18.7 |
| 8/16/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 17.6 | 2.0 | 0.0 | 19.8 |
| 9/29/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 19.5 | 0.0 | 0.0 | 19.8 | 0.0 | 0.0 | 20.9 |
| 10/31/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 19.7 |
| 11/30/2017 | 0.0 | 0.0 | 19.7 | 0.0 | 0.0 | 19.8 | 0.0 | 0.0 | 18.8 | 0.0 | 0.0 | 19.3 | 0.0 | 0.0 | 19.7 |
| 12/13/2017 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 19 | 0.0 | 0.0 | 19.5 | 0.0 | 0.0 | 19.8 |

Notes:

*May 2014 Data not collected due to operational shut down at Texas Creek

% - percent

CH₄ - Methane

H₂S - Hydrogen Sulfide

NM - Not Measured

O₂ - Oxygen

