SUNSHINE CANYON LANDFILL

SCL-LEA

LOCAL ENFORCEMENT AGENCY

14747 San Fernando Road
Sylmar, California 91324

January 9, 2019

Raymond H. Huff, REPA, Vice President
SCS Engineers
3900 Kilroy Airport Way, Ste 100
Long Beach, CA 90806 via email

Subject: Response to Letter Submittal for Perimeter Migration Monitoring Well 205R, Sunshine Canyon Landfill, SWIS No. 19-AA-2000

Dear Mr. Huff,

On October 25, 2018, the Sunshine Canyon Landfill Local Enforcement Agency (SCL LEA) received a letter in response to increasing levels of methane identified in perimeter mitigation monitoring well 205R located at SCL. Based on the review by the SCL LEA and CalRecycle, it was determined that the justification and support for conclusions made in the report were not adequate and hence SCL LEA does not agree with the conclusions.

The SCL LEA's justification and concerns are as follows:

1. The data presented by SCS Engineers (SCS) from compliance well 205R (D) clearly indicates that the sample collected/monitored contains CH4, CO2, and trace VOC compounds - typical of landfill gas (LFG).
2. The letter did not specify whether or not SCS has performed any gas sampling and testing from the nearby oil fields to determine the nature and characteristics of the gas from it.
3. There was not an indication that SCS had taken samples from the landfill gas control system (GCCS) to determine the baseline characteristics of the LFG being generated from the landfill and compare it with gas detected from compliance well 205R(D).
4. SCS has stated (page 2), that the typical ratio of CH4 to CO2 in LFG ranges was from 1.0 to 1.2. However, gas concentrations of CH4 (19.8%) and CO2 (45.2%) detected on August 23, 2018 (Table 2) clearly indicate ratios close to what CH4/CO2 ratios are SCS has stated. There is no discussion about this specific event.
5. In addition, SCS should determine whether data from Probe 205R(D) (based on the field data presented by SCS for fixed gases and VOCs) is a variation of the concentrations due to spatial variability, (e.g. gas plume source, distance from source, gas extraction system zone of influences, etc.).
6. SCL LEA further suggests the operator (through their consultant) collect samples and perform testing from landfill gas control system as well as the oil field and then compare the results from Probe 205R(D) to these two sources. To adequately perform such a comparison, a one-year study of both sources should be conducted.

If you have questions, please feel free to contact me at (626) 430 -5540.

Sincerely,

Shikari Nakagawa-Ota, R.E.H.S
SCL LEA Program Manager

Enclosure

cc: Megan Emslander, CalRecycle (via LEA Portal)
David Thompson, SCL LEA (Electronic copy)
Jose Gutiérrez, SCL LEA (Electronic copy)
Dee Hanson-Lugo, SCL LEA (Electronic copy)
George Kashikarin, SCL LEA (Electronic copy)
Patricia Hundt, SCL LEA (Electronic copy)
Chris Coyle, SCL (Electronic copy)
Josh Mills, SCL (Electronic copy)

October 24, 2018
File No. 01208033.29

Ms. Shikari Nakagawa-Ota, REHS
Chief Environmental Health Specialist
Local Enforcement Agency (LEA) Program
Los Angeles County Department of Public Health
5050 Commerce Drive
Baldwin Park, California 91706

Subject: **Perimeter Migration Monitoring Well 205R, Sunshine Canyon Landfill, 14747 San Fernando Road, Sylmar, California 91342 (SWIS Facility 19-AA-2000)**

Dear Ms. Nakagawa-Ota:

This letter has been prepared by **SCS Engineers (SCS)** on behalf of Sunshine Canyon Landfill (SCL), in response to increasing levels of methane (CH_4) identified in perimeter migration monitoring well 205R located at SCL (Note: we refer to each monitoring location as a well, and each screened interval at a given location as a probe). While methane levels identified in the deeper probes within this well are still below the regulatory threshold of 5 percent by volume, they have been increasing in concentration over the past four years, and have slightly exceeded 3% by volume.

BACKGROUND

SCL is an open, active canyon landfill operation, with 363 permitted acres, and accepts approximately 8,000 tons of municipal solid waste (MSW) per day. SCL is situated at the eastern end of the Santa Susana Mountains and is bounded to the west and south by mountains and open space, to the north by mountains and Interstate 5, and to the east by San Fernando Road and Interstate 5. The location of SCL is provided on **Figure 1**, **Attachment A**.

Landfill gas (LFG) migration from SCL is currently controlled via an LFG collection and control system (GCCS) consisting of a network of approximately 1,008 LFG extraction points inter-connected to a total of six destruction devices, including 5 enclosed flares and a turbine power plant. The GCCS operates continuously, with August 2018 average flow rate of approximately 20,500 standard cubic feet per minute (scfm) and a methane concentration approximately 43% by volume.

LFG migration from SCL is monitored by a network of 30 migration monitoring wells located around the perimeter of SCL. Within each well, there are multiple probes located at multiple depths, based on surface elevation, depth to groundwater, and base of waste elevation; for a total of 132 probes, within 30 wells. The perimeter migration monitoring well network at SCL is provided on **Figure 2**, **Attachment A**.

DISCUSSION

Monitoring Activities

Since March 2013, concentrations of CH_4 in the deeper probes (B-E) in well P-205R have ranged from non-detect to 3.4 percent by volume (May 2018). Details on CH_4 detections within the five probes within well P-205R are presented in **Table 1**, below.

Table 1. Well P-205R Probe Methane Details

Probe Designation	Probe Depth (feet bgs)	Screened Interval (feet bgs)	Methane Detections (% by volume)		
			Min	Max	Most Recent[1]
A	11	6-11	ND	ND	ND
B	25	20-25	ND	1.5	0.7
C	39	33-39	0.2	2.0	1.8
D	53	48-53	0.8	3.4	2.8
E	67	63-67	ND	2.9	1.6

bgs = below ground surface
ND = Non-detect
[1]Most recent monitoring event is September 2018.

Graphs of gas composition and pressures detected in probes A-E within well P-205R from 2014 to present are presented in **Figures 3a through 3e, Attachment A**, respectively. **Attachment B** contains well P-205R probe data from 2014 to present.

As shown on **Figure 3d**, probe P-205R(D) has the highest concentration of CH_4 detected in this well, consistently over time. **Figure 3d** also shows significantly elevated carbon dioxide (CO_2) in relation to CH_4, which is not generally indicative of the composition of landfill gas (LFG). For example, the typical ratio of CH_4 to CO_2 in LFG ranges from 1.0 to 1.2. However, the data for probe P-205R(D) have demonstrated ratios ranging from 0.05 to 0.07 in data from 2018. **Figure 3d** also shows an inverse relationship between CO_2 and Balance Gas, which is assumed to be nitrogen. Nitrogen is typically found at concentrations 2 to 4 times lower than CO_2 in LFG, but in this case, nitrogen is present at concentrations higher than CO_2.

Gas Sample Analysis

In response to slightly elevated CH_4 concentrations identified in probe P-205R(D), gas samples were collected from select probes within well P-205R, as well as other perimeter wells at SCL in January, February, March, June, July, August, and September of 2018. A summary of the analytical data from Probe P-205(D) is presented in **Table 2**, below. Copies of all analytical data from samples collected in 2018 are provided in **Attachment C**.

Table 2. Probe P-205R(D) Analytical Results - 2018

Analyte	01/25	02/15	03/29	06/29[1]	07/26	08/23	09/27
Concentration in % by volume							
Methane	2.74	2.73	2.89	2.96	2.74	19.8	2.69
Carbon Dioxide	46.4	47.5	47.3	47.6	47.2	45.2	47.5
Concentration in parts per million by volume (ppmv)							
Ethane	<5	<5	<5	<5	<5	<5	<5
TGNMO[2]	19.5	<5	17.9	10.3	14.7	7.41	12.1
Hydrogen Sulfide	0.42	0.97	0.54	<0.2	<0.1	<0.1	<0.1
Volatile Organic Compounds (VOCs) Concentration in parts per billion by volume (ppbv)							
Benzene	7.52	6.64	5.95	3.95	5.14	5.26	4.20
Dichlorobenzenes[3]	<12	<3	<6	<0.6	3.39	3.33	3.69
Toluene	<8	2.23	<4	1.22	2.55	2.34	2.71
m+p Xylenes	<8	1.84	<4	1.01	2.53	1.89	1.57
o-Xylene	<8	<1.4	<4	0.78	<1.4	<1.4	<1.4
TO-15 Analysis (concentration in ppbv)[1]							
Acetone	NA	NA	NA	63.0	NA	NA	NA
Isopropyl Alcohol	NA	NA	NA	108	NA	NA	NA
n-Hexane	NA	NA	NA	0.85	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	0.69	NA	NA	NA

[1]TO-15 analysis requested on June sample. More analytes and lower detection limits provided.
[2]TGNMO – Total Gaseous non-Methane, non-Ethane organics reported as ppmvC.
[3]Total amount containing meta, para, and ortho isomers.
NA – Analyte not analyzed.

As shown in **Table 2**, the CH_4 and CO_2 results match what was identified from field monitoring of the probes. In addition, it should be noted that the only volatile organic compounds (VOCs) detected from probe samples are generally associated with petrogenic (e.g., hydrocarbon) sources, including benzene, toluene, xylenes, hexane, etc. Key LFG VOC indicators (e.g., vinyl chloride, freons, methylene chloride, and other halogenated compounds) were not detected in samples from P-205R, or any of the sample results provided in **Attachment C**. Ethane, which is a very common constituent in LFG, was also not found. These chemicals are commonly detected as the "leading edge" of any subsurface LFG plume, but were not found in the samples.

Nearby LFG Well Data

The closest LFG extraction wells to P-205R are CGW-915 and CGW-916, both approximately 215 feet northeast of well P-205R. These wells were installed in 2015 and have been under vacuum since installation. Gas composition and flow readings from these wells from late-July (selected to match the latest lab sample analysis date from probe P-205R[D]) and the most recent readings from these wells are presented in **Table 3**, below.

Table 3. Nearby LFG Well Measurements

Well Designation	Date of Reading	LFG Flow (scfm)	Gas Composition (% by volume)			
			CH_4	CO_2	O_2	Balance Gas
CGW-915	7/16/18	10	18.1	23.7	0.1	58.1
	10/10/18	4.2	26.1	29.5	0	44.4
CGW-916	7/24/18	1.6	27.1	30.9	0	42
	10/10/18	14.5	32.4	30.3	0	37.3

As shown in **Table 3**, both the July and October readings from the closest LFG wells to P-205 show CO_2 levels significantly lower than the levels detected in probe P-205R(D). The highest CO_2 reading from July (well CGW-916) is more than 20 percentage points lower than the CO_2 identified in the P-205R(D) sample from July (refer to **Table 2**).

Figure 4, Attachment A contains a graph of the CO_2 levels identified in the LFG extraction wells near P-205R (CGW-915 and CGW-916). As shown in **Figure 4**, With the exception of late-2017, CO2 levels from the LFG extraction wells have always been lower than the CO_2 levels identified in probe P-205R(D). This indicates that it is unlikely that the CO_2 identified in P-205R(D) originated from the landfill.

However, this point does not address the elevated CH_4 identified in probe P-205R(D), unless the CH_4 and CO_2 identified in probe P-205R(D) are interrelated. In order to verify that the CH_4 and CO_2 are interrelated, the CH_4 and CO_2 monitoring data from probe P-205R(D) were separated and re-graphed using a logarithmic scale. This graph is presented in **Figure 5, Attachment A**. As shown in **Figure 5**, variability in concentration is directly proportional for CH_4 and CO_2 within this probe, which indicates that the parameters are directly related. As such, if the CO_2 is not likely derived from LFG, then the CH_4 would not expected to be either.

Nearby Oil Wells

Due to the elevated CO_2; the lack of ethane, vinyl chloride, and other common LFG constituents in the samples analyzed from probe P-205R(D); and the presence of various petrogenic chemicals, additional research on possible petrogenic sources in the area of SCL was conducted. As shown in **Figure 2**, there are approximately 9 abandoned oil wells located either within, or in close proximity to SCL. Of these nine wells, the closest to well P-205R is Eadie #1. Records of this well obtained from the California Department of Oil, Gas and Geothermal Resources (DOGGR) are provided in **Attachment D**. A brief history this well is provided below.

Eadie #1

Exploratory oil well "Eadie 1" is located approximately 650 feet to the southwest of well P-205. Eadie 1 was drilled to a maximum depth of 8,011 feet below ground surface (bgs). Drilling was completed on November 11, 1953. Following electric logging of the hole, two concrete plugs were installed from 850 to 766 feet and 530 to 400 feet bgs. 10 feet of cement inside of an 11 and ¾ inch casing, with a welded steel plate were used to abandon the well on November 13, 1953. The capped well was at an elevation of approximately 2,132 feet above mean sea level (msl) at the time of abandonment.

In 1992, as part of the proposed expansion of SCL, eight oil wells were proposed for re-abandonment. The project was postponed until June 1997, when the upper 200 feet of Eadie #1 was overdrilled and 140 cubic feet of cement was added to the hole. Following abandonment activities, the well was cut off five feet below surface and covered with a steel plate. This would make the elevation of the top capped well approximately 2,127 feet msl and the elevation of the bottom of the cement plug approximately 1,932 feet msl, which is approximately 50 feet higher than the surface of well P-205R (surface elevation of well P-205R is 1,869 feet msl).

CONCLUSIONS

It appears that the low-level of CH_4 detected in well P-205R did not originate from the landfill. This conclusion is supported by the following observations:

1. Monitoring data for probes B-E in well P-205R show significantly elevated CO_2 (maximum value of 49.4 percent by volume in Probe P-205R[D]) associated with low-level CH_4 (maximum value of 3.4 percent by volume in Probe P-205R[D]). Laboratory data confirms both the low CH_4 and high CO_2 levels detected in probes B-E of well P-205R. These levels and ratios are not typical for LFG migration from a landfill.
2. CO_2 levels identified in probe P-205R(D) are higher than CO_2 levels identified in raw LFG from the closest LFG extraction wells (**Figure 4**).
3. The CH_4 identified in P-205R(D) is related to the elevated CO_2 identified in P-205R(D), as shown in **Figure 5** and are likely from the same source
4. With the exception of acetone and isopropyl alcohol, which are both typical lab contaminants, only petrogenic VOCs were identified in samples analyzed from P-205R(D). Other common "leading edge" contaminants in LFG were not detected.
5. There is an abandoned oil well located 650 feet to the southwest of P-205R that may be a potential source of methane and CO_2. The fact that the probes within P-205R are located at a depth that is below the concrete plug for this well, makes this point more significant.

RECOMMENDATIONS

Based on off-site impact from petrogenic sources, SCL is requesting removal of the AOC threshold of 3% by volume for probes within perimeter migration monitoring well P-205R as well as modification of sampling frequency for this probe to quarterly. Additionally, SCL is requesting the opportunity to evaluate the origin of methane should the level in the P-205R probes ever exceed the 5% by volume threshold prior to the issuance of any regulatory violations.

CLOSING

If you have any questions in regard to this submittal, please contact either of the undersigned at (562) 426-9544.

Sincerely,

Raymond H. Huff, REPA
Vice President
SCS Engineers

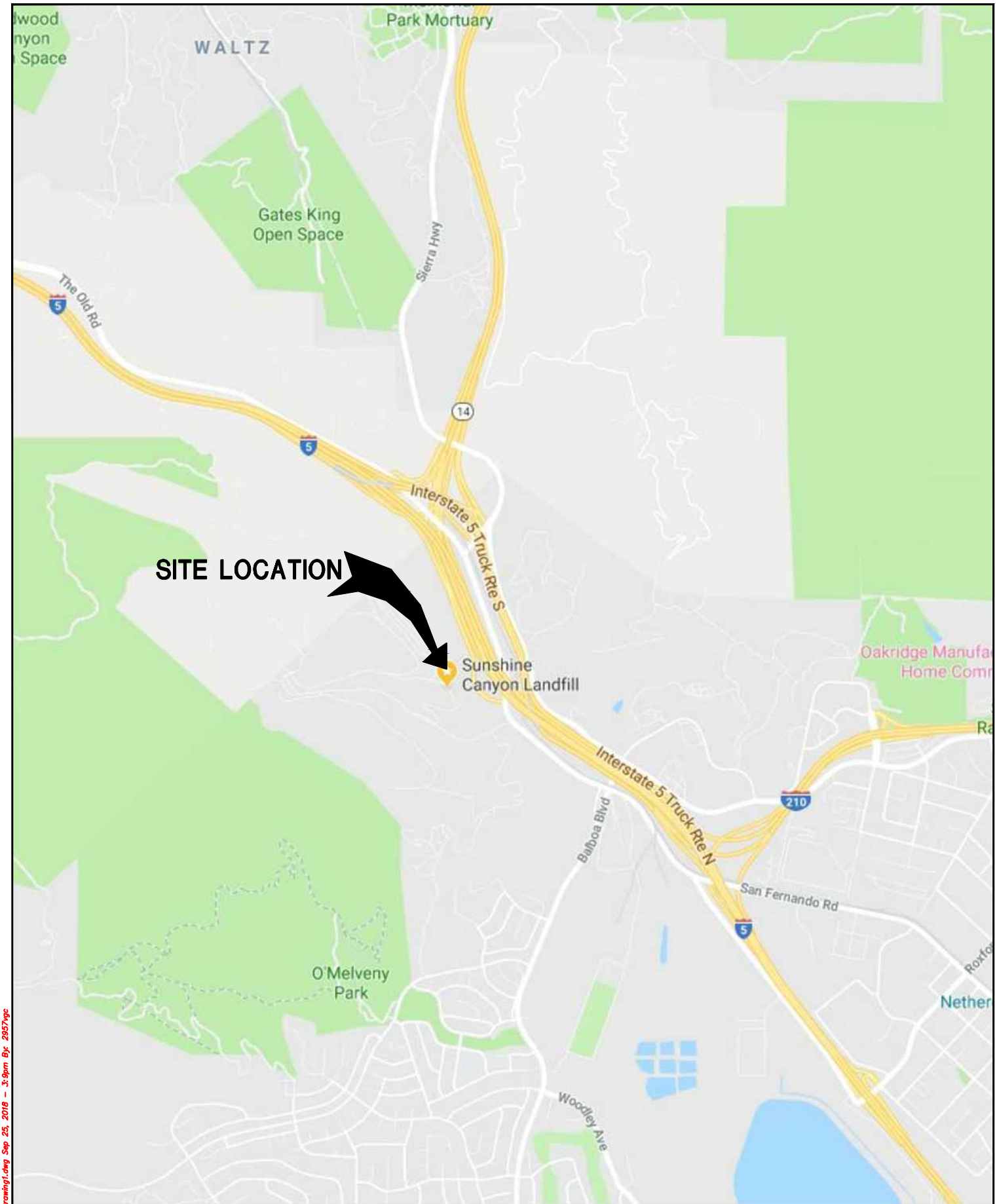
Patrick S. Sullivan, REPA, CPP, BCES
Senior Vice President
SCS Engineers

attachments

cc: Josh Mills, SCL
Chris Coyle, SCL

ATTACHMENT A

FIGURES



C:\Users\2957vgc\Documents\Drawing1.dwg Sep 25, 2018 - 3:9pm By: 2957vgc

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
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PROJ. NO.	DWN. BY:	ACAD FILE:
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DSN. BY:	CHK. BY:	APP. BY:
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CLIENT:

SHEET TITLE: **SITE LOCATION**

PROJECT TITLE: **SUNSHINE CANYON LANDFILL SYLMAR, CA**

DATE: **09-25-2018**

SCALE: **N.T.S.**

DRAWING NO. **FIG 1**

Figure 2 - Perimeter Well Location Map Showing Abandoned Oil Wells

Sunshine Canyon Landfill, Sylmar, California

Figure 3a. Well P-205R(A) Readings from 2014 to Present.

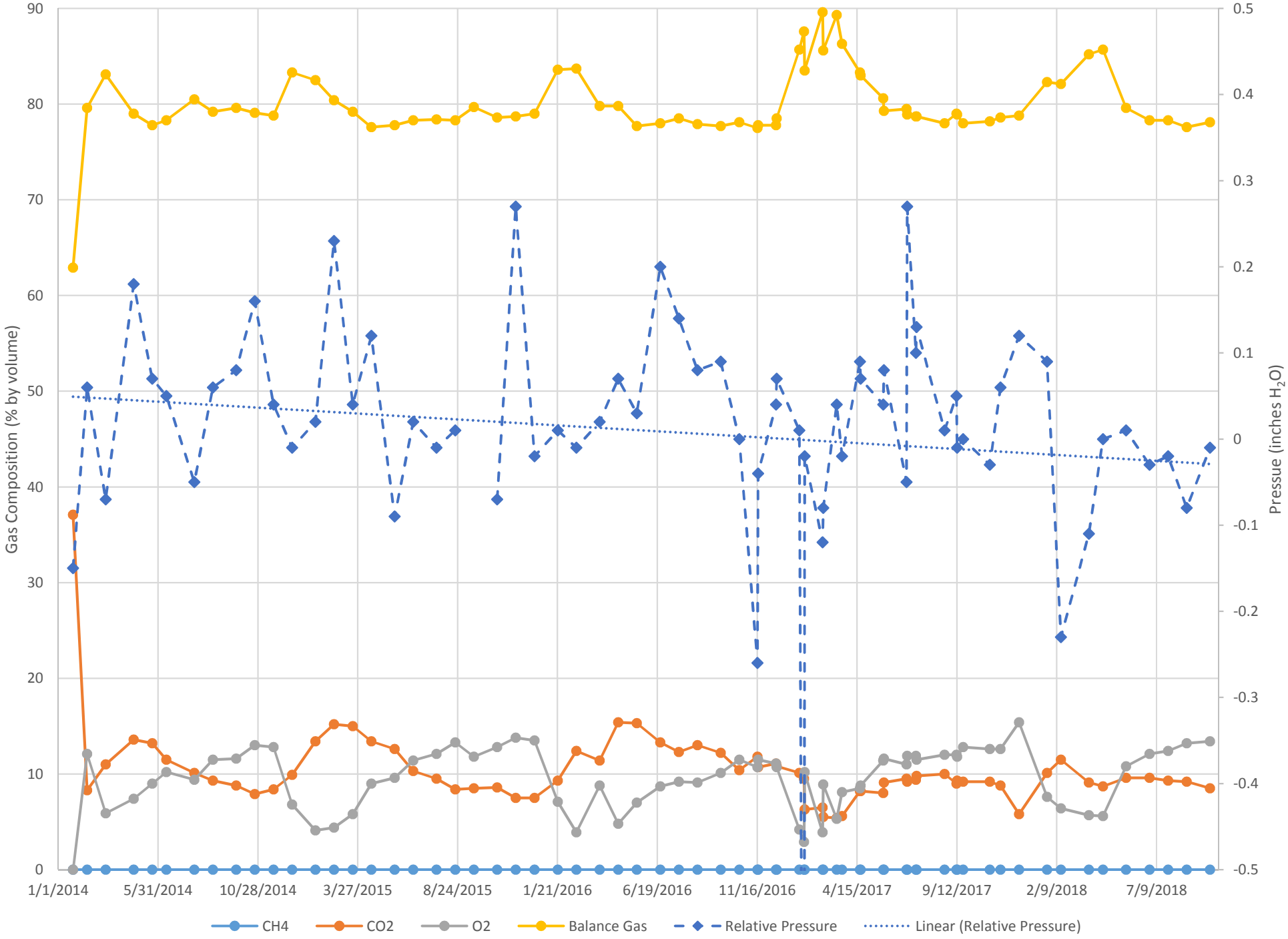


Figure 3b. Well P-205R(B) Readings from 2014 to Present.

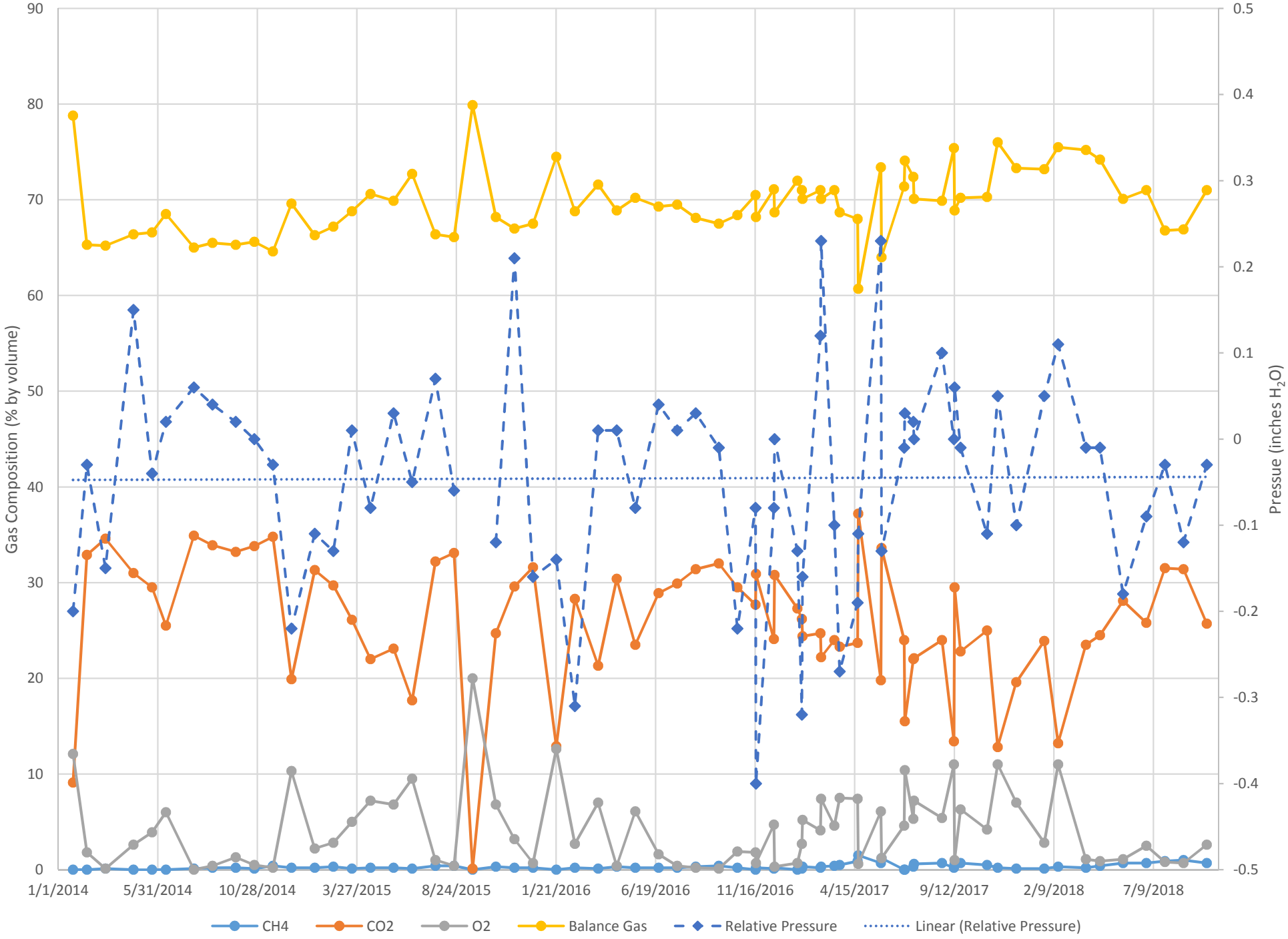


Figure 3c. Well P-205R(C) Readings from 2014 to Present.

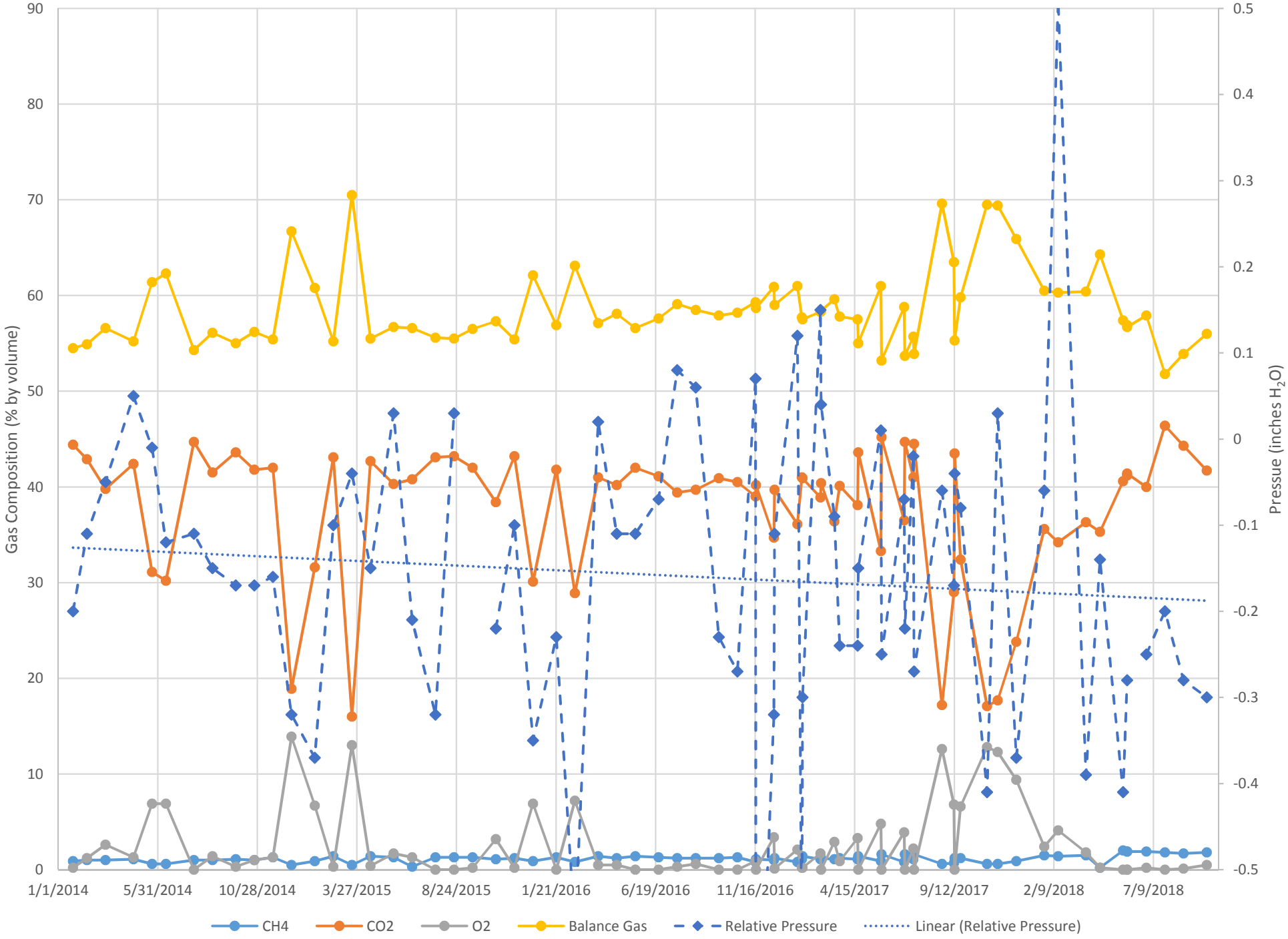


Figure 3d. Well P-205R(D) Readings from 2014 to Present.

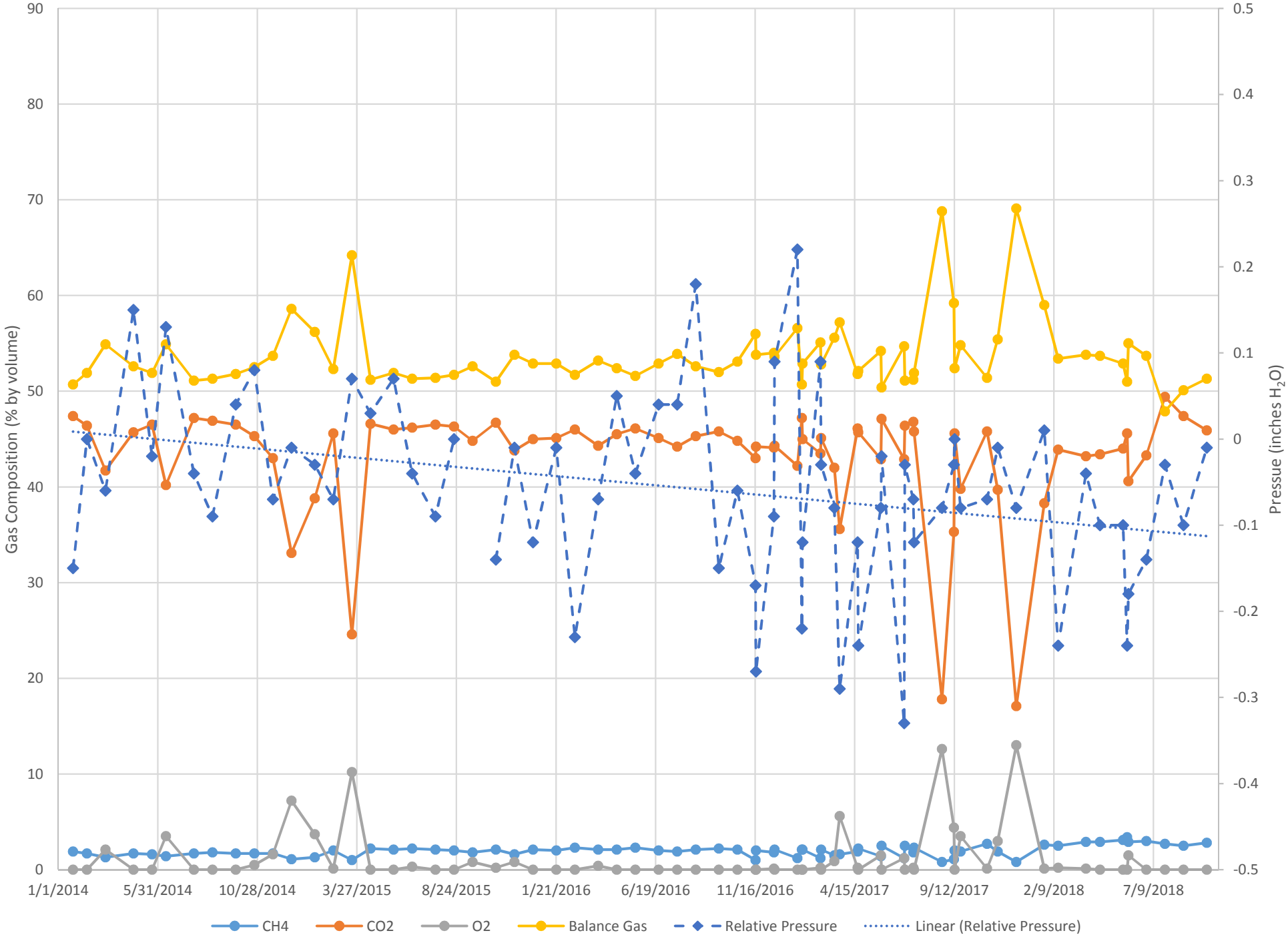


Figure 3e. Well P-205R(E) Readings from 2014 to Present.

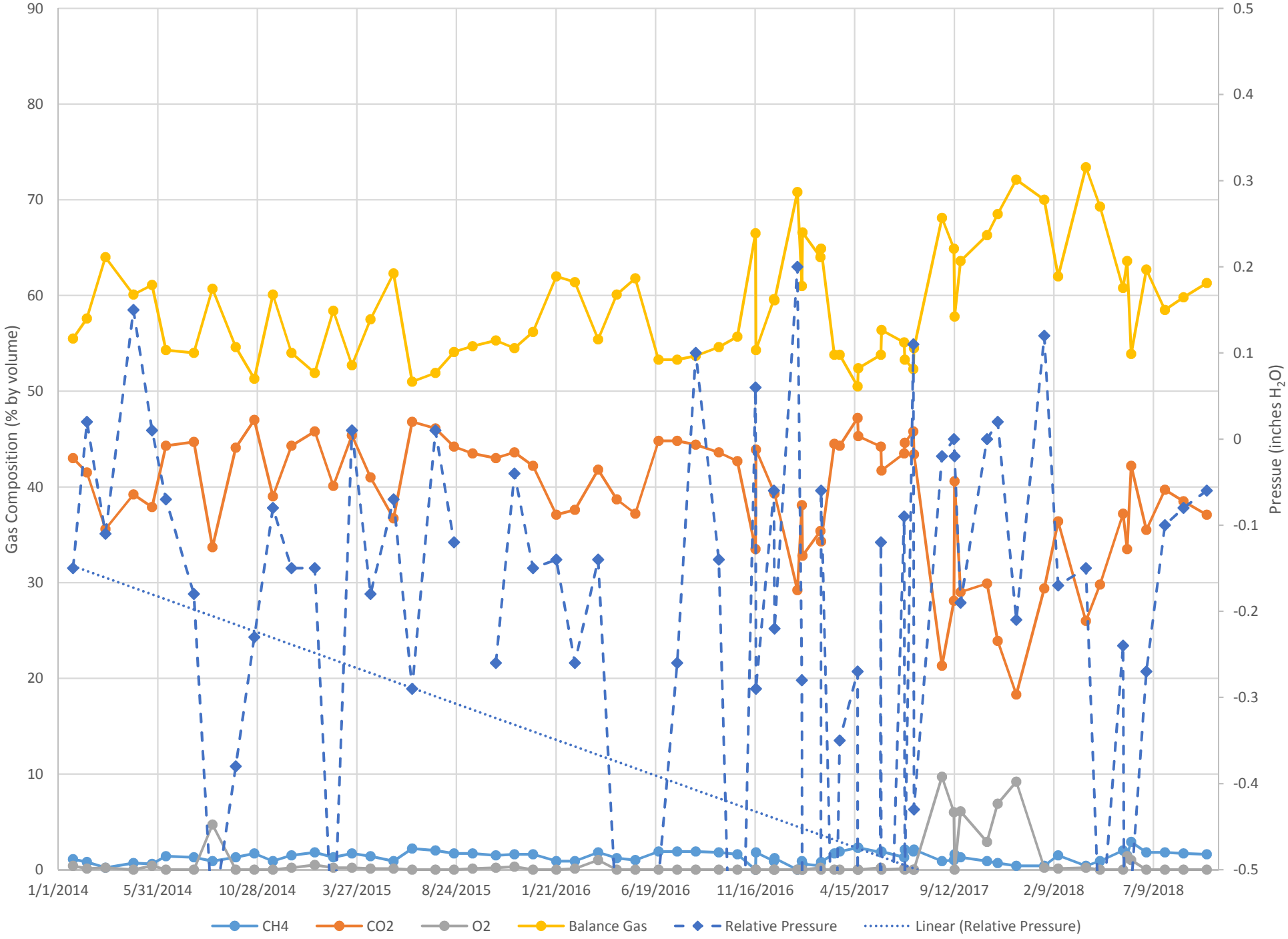


Figure 4. Carbon Dioxide Level Comparison.

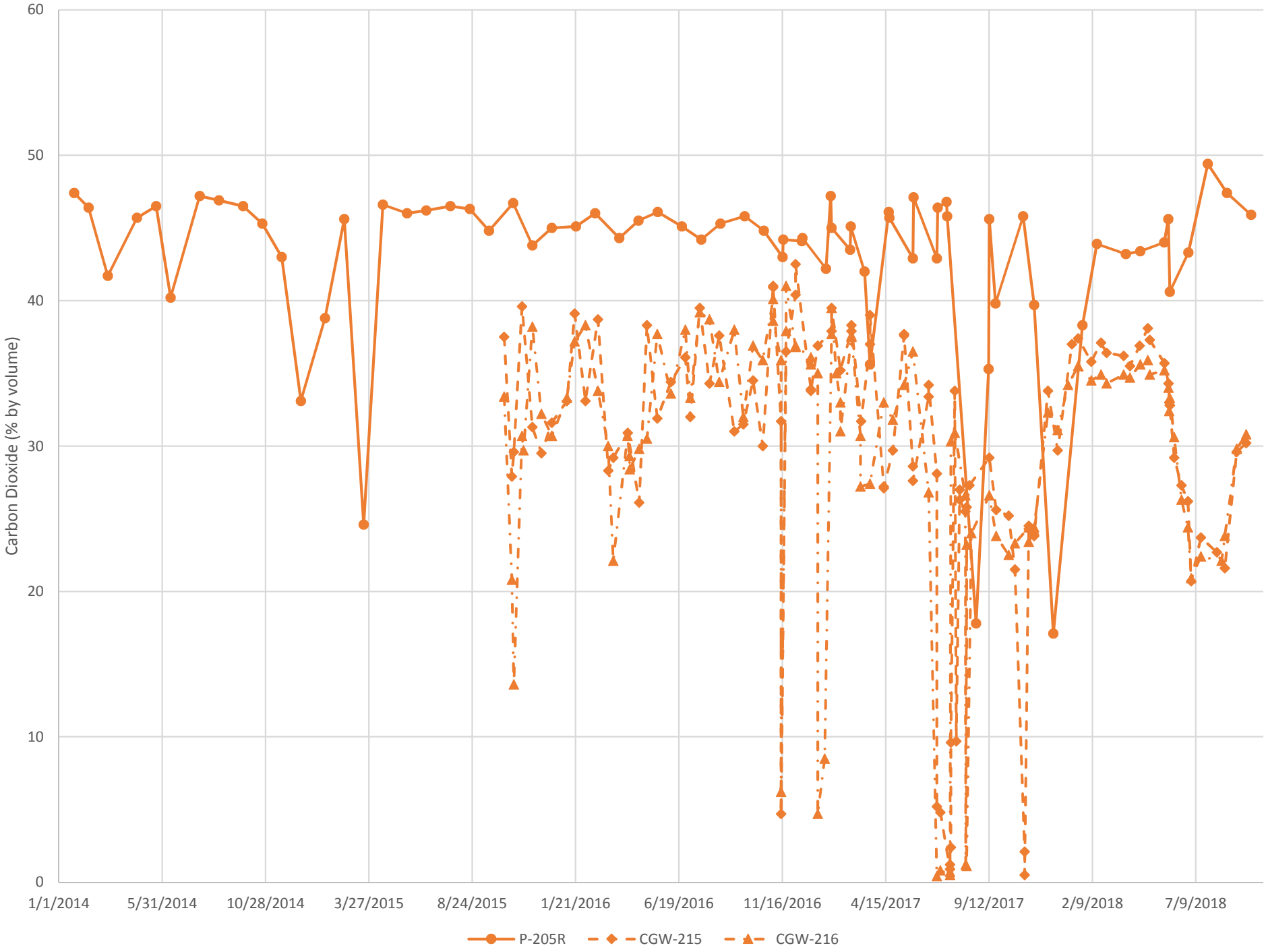
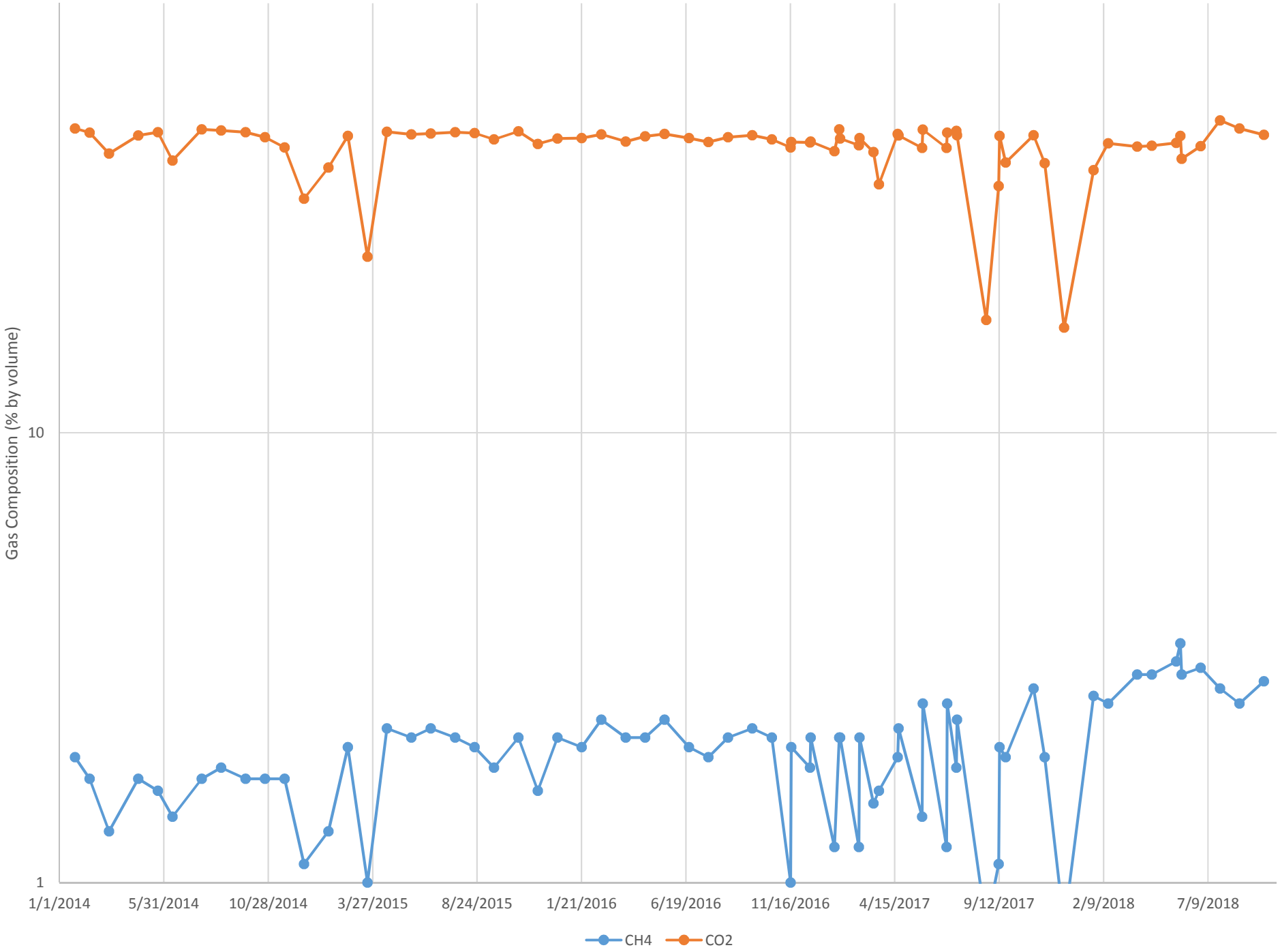


Figure 5. Well P-205R(D) Readings from 2014 to Present - Logarithmic Scale.



ATTACHMENT B

PROBE DATA

Site Name	Point ID	Point Name	Status	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Rel Press ["H2O]	Baro Press ["hg]	Field Technician	Download Technician	Upload Date
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	1/23/2014 9:20:00 AM	0	37.1	0	62.9	-0.15	28.1	Robert Johns	Robert Johns	3/13/2014 9:36:21 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	2/13/2014 10:23:00 AM	0	8.3	12.1	79.6	0.06	28.15	Robert Johns	Robert Johns	2/14/2014 5:42:10 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	3/13/2014 9:12:00 AM	0	11	5.9	83.1	-0.07	27.98	Robert Johns	Robert Johns	3/14/2014 1:05:23 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	4/24/2014 9:49:00 AM	0	13.6	7.4	79	0.18	27.94	ROBERT JOHNS	ROBERT JOHNS	4/25/2014 10:28:55 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	5/22/2014 9:56:00 AM	0	13.2	9	77.8	0.07	27.93	ROBERT JOHNS	ROBERT JOHNS	5/23/2014 12:24:14 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	6/12/2014 9:45:00 AM	0	11.5	10.2	78.3	0.05	27.91	ROBERT JOHNS	ROBERT JOHNS	6/27/2014 8:58:54 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	7/24/2014 10:48:00 AM	0	10.1	9.4	80.5	-0.05	27.84	Robert Johns	Robert Johns	7/25/2014 12:13:51 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	8/21/2014 9:51:00 AM	0	9.3	11.5	79.2	0.06	27.92	ROBERT JOHNS	ROBERT JOHNS	8/26/2014 10:18:17 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	9/25/2014 9:51:00 AM	0	8.8	11.6	79.6	0.08	27.9	Robert Johns	Robert Johns	9/29/2014 8:19:11 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	10/23/2014 9:50:00 AM	0	7.9	13	79.1	0.16	27.99	Robert Johns	Robert Johns	10/27/2014 2:00:35 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	11/20/2014 9:49:00 AM	0	8.4	12.8	78.8	0.04	28.04	ROBERT JOHNS	ROBERT JOHNS	11/21/2014 11:09:21 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	12/18/2014 10:08:00 AM	0	9.9	6.8	83.3	-0.01	28.28	ROBERT JOHNS	ROBERT JOHNS	12/19/2014 10:04:54 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	1/22/2015 10:38:00 AM	0	13.4	4.1	82.5	0.02	28.33	ROBERT JOHNS	ROBERT JOHNS	1/27/2015 4:47:42 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	2/19/2015 9:55:00 AM	0	15.2	4.4	80.4	0.23	28.21	Robert Johns	Robert Johns	2/26/2015 2:07:43 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	3/19/2015 10:23:00 AM	0	15	5.8	79.2	0.04	28.13	ROBERT JOHNS	ROBERT JOHNS	3/25/2015 8:12:41 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	4/16/2015 9:46:00 AM	0	13.4	9	77.6	0.12	28.15	ROBERT JOHNS	ROBERT JOHNS	4/17/2015 10:51:22 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	5/21/2015 9:28:00 AM	0	12.6	9.6	77.8	-0.09	28.04	ROBERT JOHNS	ROBERT JOHNS	5/22/2015 11:40:57 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	6/18/2015 9:11:00 AM	0	10.3	11.4	78.3	0.02	28.08	ROBERT JOHNS	ROBERT JOHNS	6/25/2015 4:06:00 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	7/23/2015 9:23:00 AM	0	9.5	12.1	78.4	-0.01	28.11	ROBERT JOHNS	ROBERT JOHNS	7/30/2015 3:40:16 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	8/20/2015 9:34:00 AM	0	8.4	13.3	78.3	0.01	28.01	ROBERT JOHNS	ROBERT JOHNS	8/27/2015 9:49:04 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	9/17/2015 10:38:00 AM	0	8.5	11.8	79.7		27.99	ROBERT JOHNS	ROBERT JOHNS	9/30/2015 10:09:43 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	10/22/2015 10:32:00 AM	0	8.6	12.8	78.6	-0.07	28.01	ROBERT JOHNS	ROBERT JOHNS	10/23/2015 10:10:10 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	11/19/2015 9:58:00 AM	0	7.5	13.8	78.7	0.27	28.06	ROBERT JOHNS	ROBERT JOHNS	11/20/2015 2:22:04 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	12/17/2015 9:38:00 AM	0	7.5	13.5	79	-0.02	28.19	ROBERT JOHNS	ROBERT JOHNS	12/22/2015 4:37:26 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	1/21/2016 9:32:00 AM	0	9.3	7.1	83.6	0.01	28.22	ROBERT JOHNS	ROBERT JOHNS	1/26/2016 9:54:28 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	2/18/2016 9:39:00 AM	0	12.4	3.9	83.7	-0.01	28	ROBERT JOHNS	ROBERT JOHNS	2/19/2016 8:19:00 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	3/24/2016 9:58:00 AM	0	11.4	8.8	79.8	0.02	28.12	ROBERT JOHNS	ROBERT JOHNS	3/29/2016 2:14:47 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	4/21/2016 9:27:00 AM	0	15.4	4.8	79.8	0.07	27.91	ROBERT JOHNS	ROBERT JOHNS	4/29/2016 11:11:25 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	5/19/2016 7:51:00 AM	0	15.3	7	77.7	0.03	27.94	ROBERT JOHNS	ROBERT JOHNS	5/20/2016 3:54:34 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	6/23/2016 9:14:00 AM	0	13.3	8.7	78	0.2	27.98	ROBERT JOHNS	ROBERT JOHNS	6/28/2016 6:36:07 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	7/21/2016 9:36:00 AM	0	12.3	9.2	78.5	0.14	28	ROBERT JOHNS	ROBERT JOHNS	8/2/2016 1:52:18 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	8/18/2016 8:48:00 AM	0	13	9.1	77.9	0.08	27.91	ROBERT JOHNS	ROBERT JOHNS	8/23/2016 3:16:19 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	9/22/2016 7:53:00 AM	0	12.2	10.1	77.7	0.09	27.9	ROBERT JOHNS	ROBERT JOHNS	9/30/2016 1:39:56 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	10/20/2016 8:06:00 AM	0	10.4	11.5	78.1	0	28.04	ROBERT JOHNS	ROBERT JOHNS	10/28/2016 10:04:23 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	11/16/2016 1:12:22 PM	0	11.8	10.7	77.5	-0.26	27.87			11/16/2016 2:39:49 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	11/17/2016 8:06:00 AM	0	10.7	11.5	77.8	-0.04	27.99	ROBERT JOHNS	ROBERT JOHNS	11/22/2016 11:05:07 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	12/14/2016 8:18:09 AM	0	11.1	11.1	77.8	0.04	28.15			12/15/2016 4:58:00 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	12/15/2016 7:54:00 AM	0	10.8	10.7	78.5	0.07	28.01	ROBERT JOHNS	ROBERT JOHNS	12/16/2016 4:02:08 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	1/18/2017 11:46:49 AM	0	10.1	4.2	85.7	0.01	28.14	BN	BN	1/19/2017 11:57:15 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	1/25/2017 8:24:17 AM	0	9.5	2.9	87.6	-1.23	28.23	BN	BN	1/26/2017 12:29:21 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	1/26/2017 9:25:00 AM	0	6.3	10.2	83.5	-0.02	28.27	ROBERT JOHNS	ROBERT JOHNS	2/1/2017 2:00:41 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	2/22/2017 8:05:15 AM	0	6.5	3.9	89.6	-0.12	28.12	BN	BN	2/23/2017 10:56:07 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	2/23/2017 9:17:00 AM	0	5.5	8.9	85.6	-0.08	28.03	ROBERT JOHNS	ROBERT JOHNS	3/6/2017 8:55:18 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	3/15/2017 8:08:50 AM	0	5.4	5.3	89.3	0.04	28.14	BN	BN	3/16/2017 4:47:59 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	3/23/2017 8:58:00 AM	0	5.6	8.1	86.3	-0.02	28.02	ROBERT JOHNS	ROBERT JOHNS	4/4/2017 11:25:12 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	4/19/2017 8:30:57 AM	0	8.2	8.5	83.3	0.09	28.13	BS	BN	4/20/2017 11:41:09 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	4/20/2017 9:21:00 AM	0	8.2	8.8	83	0.07	28.08	ROBERT JOHNS	ROBERTJOHNS	4/26/2017 9:09:22 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	5/24/2017 9:28:53 AM	0	8	11.4	80.6	0.04	27.93	BN	BN	5/25/2017 9:07:46 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	5/25/2017 9:39:00 AM	0	9.1	11.6	79.3	0.08	27.84	ROBERT JOHNS	ROBERT JOHNS	6/4/2017 11:51:57 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	6/28/2017 8:48:21 AM	0	9.5	11	79.5	-0.05	27.96	BS	BS	6/30/2017 6:48:17 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	6/29/2017 9:48:00 AM	0	9.2	11.9	78.9	0.27	27.92	ROBERT JOHNS	ROBERT JOHNS	7/7/2017 8:14:36 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	7/12/2017 9:54:03 AM	0	9.4	11.9	78.7	0.1	28.06	BS	BS	7/14/2017 11:32:40 AM

Site Name	Point ID	Point Name	Status	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Rel Press ["H2O]	Baro Press ["hg]	Field Technician	Download Technician	Upload Date
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	7/13/2017 8:38:00 AM	0	9.8	11.5	78.7	0.13	28.01	ROBERT JOHNS	ROBERT JOHNS	7/31/2017 12:51:16 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	8/24/2017 10:05:00 AM	0	10	12	78	0.01	27.87	ROBERT JOHNS	ROBERT JOHNS	8/28/2017 1:32:38 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	9/11/2017 10:40:03 AM	0	9	12	79	0.05	28.05	mq	mq	9/11/2017 5:57:34 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	9/12/2017 11:45:40 AM	0	9.3	11.8	78.9	-0.01	28	tr	mq	9/12/2017 1:33:13 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	9/21/2017 7:48:00 AM	0	9.2	12.8	78	0	27.83	ROBERT JOHNS	ROBERT JOHNS	9/30/2017 12:41:48 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	10/31/2017 9:18:22 AM	0	9.2	12.6	78.2	-0.03	27.9	ROBERT JOHNS	ROBERT JOHNS	11/1/2017 11:20:11 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	11/16/2017 9:43:00 AM	0	8.8	12.6	78.6	0.06	27.98	ROBERT JOHNS	ROBERT JOHNS	11/19/2017 9:52:48 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	12/14/2017 9:23:00 AM	0	5.8	15.4	78.8	0.12	28.04	ROBERT JOHNS	ROBERT JOHNS	12/15/2017 7:43:26 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	1/25/2018 11:02:06 AM	0	10.1	7.6	82.3	0.09	28.14			1/25/2018 5:25:20 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	2/15/2018 10:48:05 AM	0	11.5	6.4	82.1	-0.23	28.2	AR	AR	2/15/2018 4:29:24 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	3/29/2018 10:01:45 AM	0	9.1	5.7	85.2	-0.11	28.17			3/29/2018 4:40:11 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	4/19/2018 9:55:31 AM	0	8.7	5.6	85.7	0	28.06			4/19/2018 11:25:05 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	5/24/2018 7:41:37 AM	0	9.6	10.8	79.6	0.01				5/24/2018 11:36:41 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	6/28/2018 7:57:14 AM	0	9.6	12.1	78.3	-0.03	28.02			6/28/2018 11:02:21 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	7/26/2018 8:01:50 AM	0	9.3	12.4	78.3	-0.02	28.11			7/26/2018 11:07:05 AM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	8/23/2018 8:07:10 AM	0	9.2	13.2	77.6	-0.08				8/23/2018 1:06:39 PM
Sunshine Canyon Landfill	P00205RA	P-205RA	Active	9/27/2018 8:02:45 AM	0	8.5	13.4	78.1	-0.01		SD	SD	9/27/2018 10:32:54 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	1/23/2014 9:22:00 AM	0	9.1	12.1	78.8	-0.2	28.1	Robert Johns	Robert Johns	3/13/2014 9:36:21 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	2/13/2014 10:26:00 AM	0	32.9	1.8	65.3	-0.03	28.15	Robert Johns	Robert Johns	2/14/2014 5:42:10 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	3/13/2014 9:15:00 AM	0.1	34.6	0.1	65.2	-0.15	27.98	Robert Johns	Robert Johns	3/14/2014 1:05:23 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	4/24/2014 9:51:00 AM	0	31	2.6	66.4	0.15	27.94	ROBERT JOHNS	ROBERT JOHNS	4/25/2014 10:28:55 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	5/22/2014 9:57:00 AM	0	29.5	3.9	66.6	-0.04	27.95	ROBERT JOHNS	ROBERT JOHNS	5/23/2014 12:24:14 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	6/12/2014 9:47:00 AM	0	25.5	6	68.5	0.02	27.91	ROBERT JOHNS	ROBERT JOHNS	6/27/2014 8:58:54 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	7/24/2014 10:50:00 AM	0.1	34.9	0	65	0.06	27.84	Robert Johns	Robert Johns	7/25/2014 12:13:51 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	8/21/2014 9:56:00 AM	0.2	33.9	0.4	65.5	0.04	27.92	ROBERT JOHNS	ROBERT JOHNS	8/26/2014 10:18:17 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	9/25/2014 9:53:00 AM	0.2	33.2	1.3	65.3	0.02	27.94	Robert Johns	Robert Johns	9/29/2014 8:19:11 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	10/23/2014 9:52:00 AM	0.1	33.8	0.5	65.6	0	27.99	Robert Johns	Robert Johns	10/27/2014 2:00:35 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	11/20/2014 9:52:00 AM	0.4	34.8	0.2	64.6	-0.03	28.05	ROBERT JOHNS	ROBERT JOHNS	11/21/2014 11:09:22 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	12/18/2014 10:10:00 AM	0.2	19.9	10.3	69.6	-0.22	28.27	ROBERT JOHNS	ROBERT JOHNS	12/19/2014 10:04:54 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	1/22/2015 10:40:00 AM	0.2	31.3	2.2	66.3	-0.11	28.33	ROBERT JOHNS	ROBERT JOHNS	1/27/2015 4:47:42 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	2/19/2015 9:58:00 AM	0.3	29.7	2.8	67.2	-0.13	28.22	Robert Johns	Robert Johns	2/26/2015 2:07:43 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	3/19/2015 10:27:00 AM	0.1	26.1	5	68.8	0.01	28.13	ROBERT JOHNS	ROBERT JOHNS	3/25/2015 8:12:41 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	4/16/2015 9:48:00 AM	0.2	22	7.2	70.6	-0.08	28.14	ROBERT JOHNS	ROBERT JOHNS	4/17/2015 10:51:22 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	5/21/2015 9:30:00 AM	0.2	23.1	6.8	69.9	0.03	28.03	ROBERT JOHNS	ROBERT JOHNS	5/22/2015 11:40:57 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	6/18/2015 9:13:00 AM	0.1	17.7	9.5	72.7	-0.05	28.07	ROBERT JOHNS	ROBERT JOHNS	6/25/2015 4:06:00 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	7/23/2015 9:26:00 AM	0.4	32.2	1	66.4	0.07	28.1	ROBERT JOHNS	ROBERT JOHNS	7/30/2015 3:40:16 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	8/20/2015 9:37:00 AM	0.4	33.1	0.4	66.1	-0.06	28.02	ROBERT JOHNS	ROBERT JOHNS	8/27/2015 9:49:04 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	9/17/2015 10:43:00 AM	0	0.1	20	79.9		28	ROBERT JOHNS	ROBERT JOHNS	9/30/2015 10:09:43 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	10/22/2015 10:33:00 AM	0.3	24.7	6.8	68.2	-0.12	28	ROBERT JOHNS	ROBERT JOHNS	10/23/2015 10:10:10 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	11/19/2015 9:59:00 AM	0.2	29.6	3.2	67	0.21	28.06	ROBERT JOHNS	ROBERT JOHNS	11/20/2015 2:22:04 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	12/17/2015 9:40:00 AM	0.2	31.6	0.7	67.5	-0.16	28.19	ROBERT JOHNS	ROBERT JOHNS	12/22/2015 4:37:26 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	1/21/2016 9:33:00 AM	0	12.9	12.6	74.5	-0.14	28.23	ROBERT JOHNS	ROBERT JOHNS	1/26/2016 9:54:28 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	2/18/2016 9:41:00 AM	0.2	28.3	2.7	68.8	-0.31	28	ROBERT JOHNS	ROBERT JOHNS	2/19/2016 8:19:00 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	3/24/2016 10:00:00 AM	0.1	21.3	7	71.6	0.01	28.11	ROBERT JOHNS	ROBERT JOHNS	3/29/2016 2:14:47 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	4/21/2016 9:29:00 AM	0.3	30.4	0.4	68.9	0.01	27.91	ROBERT JOHNS	ROBERT JOHNS	4/29/2016 11:11:25 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	5/19/2016 7:52:00 AM	0.2	23.5	6.1	70.2	-0.08	27.93	ROBERT JOHNS	ROBERT JOHNS	5/20/2016 3:54:34 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	6/23/2016 9:16:00 AM	0.2	28.9	1.6	69.3	0.04	27.98	ROBERT JOHNS	ROBERT JOHNS	6/28/2016 6:36:07 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	7/21/2016 9:39:00 AM	0.2	29.9	0.4	69.5	0.01	28	ROBERT JOHNS	ROBERT JOHNS	8/2/2016 1:52:18 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	8/18/2016 8:50:00 AM	0.3	31.4	0.2	68.1	0.03	27.92	ROBERT JOHNS	ROBERT JOHNS	8/23/2016 3:16:19 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	9/22/2016 7:56:00 AM	0.4	32	0.1	67.5	-0.01	27.91	ROBERT JOHNS	ROBERT JOHNS	9/30/2016 1:39:56 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	10/20/2016 8:08:00 AM	0.2	29.5	1.9	68.4	-0.22	28.04	ROBERT JOHNS	ROBERT JOHNS	10/28/2016 10:04:23 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	11/16/2016 1:15:27 PM	0	27.7	1.8	70.5	-0.08	27.86			11/16/2016 2:39:49 PM

Site Name	Point ID	Point Name	Status	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Rel Press ["H2O]	Baro Press ["hg]	Field Technician	Download Technician	Upload Date
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	11/17/2016 8:08:00 AM	0.2	30.9	0.7	68.2	-0.4	27.99	ROBERT JOHNS	ROBERT JOHNS	11/22/2016 11:05:07 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	12/14/2016 8:20:30 AM	0.1	24.1	4.7	71.1	-0.08	28.15			12/15/2016 4:58:00 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	12/15/2016 7:56:00 AM	0.2	30.8	0.3	68.7	0	28.01	ROBERT JOHNS	ROBERT JOHNS	12/16/2016 4:02:08 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	1/18/2017 11:49:40 AM	0	27.3	0.7	72	-0.13	28.13	BN	BN	1/19/2017 11:57:15 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	1/25/2017 8:27:24 AM	0.1	26.2	2.7	71	-0.32	28.23	BN	BN	1/26/2017 12:29:21 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	1/26/2017 9:26:00 AM	0.3	24.4	5.2	70.1	-0.16	28.27	ROBERT JOHNS	ROBERT JOHNS	2/1/2017 2:00:41 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	2/22/2017 8:07:48 AM	0.2	24.7	4.1	71	0.12	28.12	BN	BN	2/23/2017 10:56:07 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	2/23/2017 9:19:00 AM	0.3	22.2	7.4	70.1	0.23	28.03	ROBERT JOHNS	ROBERT JOHNS	3/6/2017 8:55:18 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	3/15/2017 8:11:31 AM	0.4	24	4.6	71	-0.1	28.14	BN	BN	3/16/2017 4:47:59 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	3/23/2017 9:01:00 AM	0.5	23.3	7.5	68.7	-0.27	28.02	ROBERT JOHNS	ROBERT JOHNS	4/4/2017 11:25:12 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	4/19/2017 8:33:34 AM	0.9	23.7	7.4	68	-0.19	28.14	BS	BN	4/20/2017 11:41:09 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	4/20/2017 9:26:00 AM	1.5	37.2	0.6	60.7	-0.11	28.08	ROBERT JOHNS	ROBERTJOHNS	4/26/2017 9:09:22 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	5/24/2017 9:31:16 AM	0.7	19.8	6.1	73.4	0.23	27.95	BN	BN	5/25/2017 9:07:46 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	5/25/2017 9:45:00 AM	1.2	33.6	1.2	64	-0.13	27.85	ROBERT JOHNS	ROBERT JOHNS	6/4/2017 11:51:57 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	6/28/2017 8:50:55 AM	0	24	4.6	71.4	-0.01	27.97	BS	BS	6/30/2017 6:48:17 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	6/29/2017 9:49:00 AM	0	15.5	10.4	74.1	0.03	27.92	ROBERT JOHNS	ROBERT JOHNS	7/7/2017 8:14:36 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	7/12/2017 9:56:41 AM	0.3	22	5.3	72.4	0.02	28.06	BS	BS	7/14/2017 11:32:40 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	7/13/2017 8:41:00 AM	0.6	22.1	7.2	70.1	0	28.01	ROBERT JOHNS	ROBERT JOHNS	7/31/2017 12:51:16 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	8/24/2017 9:59:00 AM	0.7	24	5.4	69.9	0.1	27.89	ROBERT JOHNS	ROBERT JOHNS	8/28/2017 1:32:38 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	9/11/2017 10:43:03 AM	0.2	13.4	11	75.4	0	28.05	mq	mq	9/11/2017 5:57:34 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	9/12/2017 11:49:28 AM	0.6	29.5	1	68.9	0.06	28.03	tr	mq	9/12/2017 1:33:13 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	9/21/2017 7:50:00 AM	0.7	22.8	6.3	70.2	-0.01	27.82	ROBERT JOHNS	ROBERT JOHNS	9/30/2017 12:41:48 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	10/31/2017 9:21:25 AM	0.5	25	4.2	70.3	-0.11	27.9	ROBERT JOHNS	ROBERT JOHNS	11/1/2017 11:20:11 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	11/16/2017 9:45:00 AM	0.2	12.8	11	76	0.05	27.97	ROBERT JOHNS	ROBERT JOHNS	11/19/2017 9:52:48 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	12/14/2017 9:26:00 AM	0.1	19.6	7	73.3	-0.1	28.02	ROBERT JOHNS	ROBERT JOHNS	12/15/2017 7:43:26 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	1/25/2018 11:05:21 AM	0.1	23.9	2.8	73.2	0.05	28.14			1/25/2018 5:25:20 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	2/15/2018 10:51:05 AM	0.3	13.2	11	75.5	0.11	28.21	AR	AR	2/15/2018 4:29:24 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	3/29/2018 10:05:06 AM	0.2	23.5	1.1	75.2	-0.01	28.16			3/29/2018 4:40:11 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	4/19/2018 9:59:14 AM	0.4	24.5	0.9	74.2	-0.01	28.08			4/19/2018 11:25:05 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	5/24/2018 7:47:02 AM	0.7	28.1	1.1	70.1	-0.18	28.16			5/24/2018 11:36:41 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	6/28/2018 8:01:09 AM	0.7	25.8	2.5	71	-0.09	28.04			6/28/2018 11:02:21 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	7/26/2018 8:07:42 AM	0.9	31.5	0.8	66.8	-0.03	28.1			7/26/2018 11:07:05 AM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	8/23/2018 8:12:21 AM	1	31.4	0.7	66.9	-0.12	28.12			8/23/2018 1:06:39 PM
Sunshine Canyon Landfill	P00205RB	P-205RB	Active	9/27/2018 8:06:10 AM	0.7	25.7	2.6	71	-0.03	28.08	SD	SD	9/27/2018 10:32:54 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	1/23/2014 9:24:00 AM	0.9	44.4	0.2	54.5	-0.2	28.1	Robert Johns	Robert Johns	3/13/2014 9:36:21 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	2/13/2014 10:30:00 AM	1	42.9	1.2	54.9	-0.11	28.15	Robert Johns	Robert Johns	2/14/2014 5:42:10 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	3/13/2014 9:18:00 AM	1	39.8	2.6	56.6	-0.05	27.98	Robert Johns	Robert Johns	3/14/2014 1:05:23 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	4/24/2014 9:57:00 AM	1.1	42.4	1.3	55.2	0.05	27.94	ROBERT JOHNS	ROBERT JOHNS	4/25/2014 10:28:55 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/22/2014 9:59:00 AM	0.6	31.1	6.9	61.4	-0.01	27.95	ROBERT JOHNS	ROBERT JOHNS	5/23/2014 12:24:14 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	6/12/2014 9:49:00 AM	0.6	30.2	6.9	62.3	-0.12	27.91	ROBERT JOHNS	ROBERT JOHNS	6/27/2014 8:58:54 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	7/24/2014 10:53:00 AM	1	44.7	0	54.3	-0.11	27.84	Robert Johns	Robert Johns	7/25/2014 12:13:51 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	8/21/2014 9:58:00 AM	1	41.5	1.4	56.1	-0.15	27.92	ROBERT JOHNS	ROBERT JOHNS	8/26/2014 10:18:17 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	9/25/2014 9:56:00 AM	1.1	43.6	0.3	55	-0.17	27.94	Robert Johns	Robert Johns	9/29/2014 8:19:11 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	10/23/2014 9:55:00 AM	1	41.8	1	56.2	-0.17	28	Robert Johns	Robert Johns	10/27/2014 2:00:35 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	11/20/2014 9:56:00 AM	1.3	42	1.3	55.4	-0.16	28.05	ROBERT JOHNS	ROBERT JOHNS	11/21/2014 11:09:22 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	12/18/2014 10:13:00 AM	0.5	18.9	13.9	66.7	-0.32	28.27	ROBERT JOHNS	ROBERT JOHNS	12/19/2014 10:04:54 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	1/22/2015 10:43:00 AM	0.9	31.6	6.7	60.8	-0.37	28.33	ROBERT JOHNS	ROBERT JOHNS	1/27/2015 4:47:42 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	2/19/2015 10:00:00 AM	1.4	43.1	0.3	55.2	-0.1	28.21	Robert Johns	Robert Johns	2/26/2015 2:07:43 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	3/19/2015 10:29:00 AM	0.5	16	13	70.5	-0.04	28.12	ROBERT JOHNS	ROBERT JOHNS	3/25/2015 8:12:41 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	4/16/2015 9:50:00 AM	1.4	42.7	0.4	55.5	-0.15	28.14	ROBERT JOHNS	ROBERT JOHNS	4/17/2015 10:51:22 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/21/2015 9:33:00 AM	1.3	40.3	1.7	56.7	0.03	28.04	ROBERT JOHNS	ROBERT JOHNS	5/22/2015 11:40:57 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	6/18/2015 9:16:00 AM	0.3	40.8	1.3	56.6	-0.21	28.07	ROBERT JOHNS	ROBERT JOHNS	6/25/2015 4:06:00 PM

Site Name	Point ID	Point Name	Status	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Rel Press ["H2O]	Baro Press ["hg]	Field Technician	Download Technician	Upload Date
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	7/23/2015 9:30:00 AM	1.3	43.1	0	55.6	-0.32	28.1	ROBERT JOHNS	ROBERT JOHNS	7/30/2015 3:40:16 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	8/20/2015 9:40:00 AM	1.3	43.2	0	55.5	0.03	28.01	ROBERT JOHNS	ROBERT JOHNS	8/27/2015 9:49:04 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	9/17/2015 10:46:00 AM	1.3	42	0.2	56.5		28	ROBERT JOHNS	ROBERT JOHNS	9/30/2015 10:09:43 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	10/22/2015 10:35:00 AM	1.1	38.4	3.2	57.3	-0.22	28	ROBERT JOHNS	ROBERT JOHNS	10/23/2015 10:10:10 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	11/19/2015 10:02:00 AM	1.2	43.2	0.2	55.4	-0.1	28.06	ROBERT JOHNS	ROBERT JOHNS	11/20/2015 2:22:04 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	12/17/2015 9:42:00 AM	0.9	30.1	6.9	62.1	-0.35	28.18	ROBERT JOHNS	ROBERT JOHNS	12/22/2015 4:37:26 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	1/21/2016 9:37:00 AM	1.3	41.8	0	56.9	-0.23	28.23	ROBERT JOHNS	ROBERT JOHNS	1/26/2016 9:54:28 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	2/18/2016 9:43:00 AM	0.8	28.9	7.2	63.1	-0.57	28.01	ROBERT JOHNS	ROBERT JOHNS	2/19/2016 8:19:00 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	3/24/2016 10:02:00 AM	1.4	41	0.5	57.1	0.02	28.11	ROBERT JOHNS	ROBERT JOHNS	3/29/2016 2:14:47 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	4/21/2016 9:36:00 AM	1.2	40.2	0.5	58.1	-0.11	27.91	ROBERT JOHNS	ROBERT JOHNS	4/29/2016 11:11:25 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/19/2016 7:56:00 AM	1.4	42	0	56.6	-0.11	27.94	ROBERT JOHNS	ROBERT JOHNS	5/20/2016 3:54:34 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	6/23/2016 9:20:00 AM	1.3	41.1	0	57.6	-0.07	27.98	ROBERT JOHNS	ROBERT JOHNS	6/28/2016 6:36:07 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	7/21/2016 9:44:00 AM	1.2	39.4	0.3	59.1	0.08	28	ROBERT JOHNS	ROBERT JOHNS	8/2/2016 1:52:18 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	8/18/2016 8:53:00 AM	1.2	39.7	0.6	58.5	0.06	27.92	ROBERT JOHNS	ROBERT JOHNS	8/23/2016 3:16:19 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	9/22/2016 7:57:00 AM	1.2	40.9	0	57.9	-0.23	27.9	ROBERT JOHNS	ROBERT JOHNS	9/30/2016 1:39:56 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	10/20/2016 8:13:00 AM	1.3	40.5	0	58.2	-0.27	28.04	ROBERT JOHNS	ROBERT JOHNS	10/28/2016 10:04:23 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	11/16/2016 1:20:31 PM	0.8	39	0.9	59.3	0.07	27.86			11/16/2016 2:39:49 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	11/17/2016 8:12:00 AM	1.1	40.2	0	58.7	-0.83	27.99	ROBERT JOHNS	ROBERT JOHNS	11/22/2016 11:05:07 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	12/14/2016 8:23:54 AM	1	34.7	3.4	60.9	-0.32	28.15			12/15/2016 4:58:00 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	12/15/2016 8:02:00 AM	1.2	39.7	0.1	59	-0.11	28	ROBERT JOHNS	ROBERT JOHNS	12/16/2016 4:02:08 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	1/18/2017 11:53:21 AM	0.8	36.1	2.1	61	0.12	28.13	BN	BN	1/19/2017 11:57:15 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	1/25/2017 8:32:01 AM	1.1	41	0.2	57.7	-0.62	28.24	BN	BN	1/26/2017 12:29:21 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	1/26/2017 9:32:00 AM	1.4	40.9	0.2	57.5	-0.3	28.27	ROBERT JOHNS	ROBERT JOHNS	2/1/2017 2:00:41 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	2/22/2017 8:11:34 AM	1.1	38.9	1.7	58.3	0.15	28.12	BN	BN	2/23/2017 10:56:07 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	2/23/2017 9:24:00 AM	1.2	40.4	0	58.4	0.04	28.03	ROBERT JOHNS	ROBERT JOHNS	3/6/2017 8:55:18 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	3/15/2017 8:14:39 AM	1.1	36.4	2.9	59.6	-0.09	28.15	BN	BN	3/16/2017 4:47:59 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	3/23/2017 9:05:00 AM	1.2	40.1	0.9	57.8	-0.24	28.02	ROBERT JOHNS	ROBERT JOHNS	4/4/2017 11:25:12 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	4/19/2017 8:37:12 AM	1.1	38.1	3.3	57.5	-0.24	28.14	BS	BN	4/20/2017 11:41:09 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	4/20/2017 9:28:00 AM	1.4	43.6	0	55	-0.15	28.08	ROBERT JOHNS	ROBERTJOHNS	4/26/2017 9:09:22 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/24/2017 9:34:35 AM	0.9	33.3	4.8	61	0.01	27.94	BN	BN	5/25/2017 9:07:46 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/25/2017 9:50:00 AM	1.6	45.2	0	53.2	-0.25	27.85	ROBERT JOHNS	ROBERT JOHNS	6/4/2017 11:51:57 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	6/28/2017 8:54:25 AM	0.8	36.5	3.9	58.8	-0.07	27.97	BS	BS	6/30/2017 6:48:17 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	6/29/2017 9:54:00 AM	1.6	44.7	0	53.7	-0.22	27.92	ROBERT JOHNS	ROBERT JOHNS	7/7/2017 8:14:36 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	7/12/2017 10:00:23 AM	1.1	41	2.2	55.7	-0.02	28.05	BS	BS	7/14/2017 11:32:40 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	7/13/2017 8:45:00 AM	1.6	44.5	0	53.9	-0.27	28.02	ROBERT JOHNS	ROBERT JOHNS	7/31/2017 12:51:16 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	8/24/2017 10:06:00 AM	0.6	17.2	12.6	69.6	-0.06	27.89	ROBERT JOHNS	ROBERT JOHNS	8/28/2017 1:32:38 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	9/11/2017 10:48:10 AM	0.7	29	6.8	63.5	-0.17	28.04	mq	mq	9/11/2017 5:57:34 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	9/12/2017 11:52:50 AM	1.2	43.5	0	55.3	-0.04	28.02	tr	mq	9/12/2017 1:33:13 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	9/21/2017 7:53:00 AM	1.2	32.4	6.6	59.8	-0.08	27.83	ROBERT JOHNS	ROBERT JOHNS	9/30/2017 12:41:48 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	10/31/2017 9:23:04 AM	0.6	17.1	12.8	69.5	-0.41	27.89	ROBERT JOHNS	ROBERT JOHNS	11/1/2017 11:20:11 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	11/16/2017 9:47:00 AM	0.6	17.7	12.3	69.4	0.03	27.97	ROBERT JOHNS	ROBERT JOHNS	11/19/2017 9:52:48 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	12/14/2017 9:28:00 AM	0.9	23.8	9.4	65.9	-0.37	28.04	ROBERT JOHNS	ROBERT JOHNS	12/15/2017 7:43:26 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	1/25/2018 11:09:30 AM	1.5	35.6	2.4	60.5	-0.06	28.14			1/25/2018 5:25:20 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	2/15/2018 10:57:05 AM	1.4	34.2	4.1	60.3	0.51	28.21	AR	AR	2/15/2018 4:29:24 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	3/29/2018 10:09:14 AM	1.5	36.3	1.8	60.4	-0.39	28.16			3/29/2018 4:40:11 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	4/19/2018 10:04:37 AM	0.2	35.3	0.2	64.3	-0.14	28.08			4/19/2018 11:25:05 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/24/2018 7:51:55 AM	2	40.6	0	57.4	-0.41	28.15			5/24/2018 11:36:41 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/30/2018 7:58:03 AM	1.9	41.2	0	56.9	-0.28	27.97	mq	mq	5/30/2018 3:59:32 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	5/30/2018 7:59:11 AM	1.9	41.4	0	56.7		27.97	mq	mq	5/30/2018 3:59:32 PM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	6/28/2018 8:06:19 AM	1.9	40	0.2	57.9	-0.25	28.04			6/28/2018 11:02:21 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	7/26/2018 8:14:28 AM	1.8	46.4	0	51.8	-0.2	28.1			7/26/2018 11:07:05 AM
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	8/23/2018 8:18:39 AM	1.7	44.3	0.1	53.9	-0.28	28.13			8/23/2018 1:06:39 PM

Site Name	Point ID	Point Name	Status	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Rel Press ["H2O]	Baro Press ["hg]	Field Technician	Download Technician	Upload Date
Sunshine Canyon Landfill	P00205RC	P-205RC	Active	9/27/2018 8:10:25 AM	1.8	41.7	0.5	56	-0.3	28.08	SD	SD	9/27/2018 10:32:54 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	1/23/2014 9:27:00 AM	1.9	47.4	0	50.7	-0.15	28.1	Robert Johns	Robert Johns	3/13/2014 9:36:21 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	2/13/2014 10:36:00 AM	1.7	46.4	0	51.9	0	28.15	Robert Johns	Robert Johns	2/14/2014 5:42:10 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	3/13/2014 9:20:00 AM	1.3	41.7	2.1	54.9	-0.06	27.98	Robert Johns	Robert Johns	3/14/2014 1:05:23 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	4/24/2014 10:00:00 AM	1.7	45.7	0	52.6	0.15	27.94	ROBERT JOHNS	ROBERT JOHNS	4/25/2014 10:28:55 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	5/22/2014 10:04:00 AM	1.6	46.5	0	51.9	-0.02	27.95	ROBERT JOHNS	ROBERT JOHNS	5/23/2014 12:24:14 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	6/12/2014 9:51:00 AM	1.4	40.2	3.5	54.9	0.13	27.91	ROBERT JOHNS	ROBERT JOHNS	6/27/2014 8:58:54 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	7/24/2014 10:59:00 AM	1.7	47.2	0	51.1	-0.04	27.84	Robert Johns	Robert Johns	7/25/2014 12:13:51 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	8/21/2014 10:01:00 AM	1.8	46.9	0	51.3	-0.09	27.92	ROBERT JOHNS	ROBERT JOHNS	8/26/2014 10:18:17 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	9/25/2014 10:02:00 AM	1.7	46.5	0	51.8	0.04	27.94	Robert Johns	Robert Johns	9/29/2014 8:19:11 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	10/23/2014 9:57:00 AM	1.7	45.3	0.5	52.5	0.08	27.99	Robert Johns	Robert Johns	10/27/2014 2:00:35 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	11/20/2014 9:59:00 AM	1.7	43	1.6	53.7	-0.07	28.05	ROBERT JOHNS	ROBERT JOHNS	11/21/2014 11:09:22 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	12/18/2014 10:16:00 AM	1.1	33.1	7.2	58.6	-0.01	28.27	ROBERT JOHNS	ROBERT JOHNS	12/19/2014 10:04:54 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	1/22/2015 10:45:00 AM	1.3	38.8	3.7	56.2	-0.03	28.33	ROBERT JOHNS	ROBERT JOHNS	1/27/2015 4:47:42 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	2/19/2015 10:05:00 AM	2	45.6	0.1	52.3	-0.07	28.21	Robert Johns	Robert Johns	2/26/2015 2:07:43 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	3/19/2015 10:33:00 AM	1	24.6	10.2	64.2	0.07	28.12	ROBERT JOHNS	ROBERT JOHNS	3/25/2015 8:12:41 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	4/16/2015 9:53:00 AM	2.2	46.6	0	51.2	0.03	28.14	ROBERT JOHNS	ROBERT JOHNS	4/17/2015 10:51:22 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	5/21/2015 9:37:00 AM	2.1	46	0	51.9	0.07	28.04	ROBERT JOHNS	ROBERT JOHNS	5/22/2015 11:40:57 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	6/18/2015 9:19:00 AM	2.2	46.2	0.3	51.3	-0.04	28.07	ROBERT JOHNS	ROBERT JOHNS	6/25/2015 4:06:00 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	7/23/2015 9:34:00 AM	2.1	46.5	0	51.4	-0.09	28.1	ROBERT JOHNS	ROBERT JOHNS	7/30/2015 3:40:16 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	8/20/2015 9:45:00 AM	2	46.3	0	51.7	0	28.01	ROBERT JOHNS	ROBERT JOHNS	8/27/2015 9:49:04 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	9/17/2015 10:52:00 AM	1.8	44.8	0.8	52.6		28.01	ROBERT JOHNS	ROBERT JOHNS	9/30/2015 10:09:43 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	10/22/2015 10:38:00 AM	2.1	46.7	0.2	51	-0.14	28.01	ROBERT JOHNS	ROBERT JOHNS	10/23/2015 10:10:10 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	11/19/2015 10:04:00 AM	1.6	43.8	0.8	53.8	-0.01	28.06	ROBERT JOHNS	ROBERT JOHNS	11/20/2015 2:22:04 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	12/17/2015 9:45:00 AM	2.1	45	0	52.9	-0.12	28.19	ROBERT JOHNS	ROBERT JOHNS	12/22/2015 4:37:26 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	1/21/2016 9:42:00 AM	2	45.1	0	52.9	-0.01	28.22	ROBERT JOHNS	ROBERT JOHNS	1/26/2016 9:54:28 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	2/18/2016 9:47:00 AM	2.3	46	0	51.7	-0.23	28.01	ROBERT JOHNS	ROBERT JOHNS	2/19/2016 8:19:00 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	3/24/2016 10:04:00 AM	2.1	44.3	0.4	53.2	-0.07	28.11	ROBERT JOHNS	ROBERT JOHNS	3/29/2016 2:14:47 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	4/21/2016 9:40:00 AM	2.1	45.5	0	52.4	0.05	27.91	ROBERT JOHNS	ROBERT JOHNS	4/29/2016 11:11:25 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	5/19/2016 8:00:00 AM	2.3	46.1	0	51.6	-0.04	27.93	ROBERT JOHNS	ROBERT JOHNS	5/20/2016 3:54:34 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	6/23/2016 9:24:00 AM	2	45.1	0	52.9	0.04	27.98	ROBERT JOHNS	ROBERT JOHNS	6/28/2016 6:36:07 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	7/21/2016 9:48:00 AM	1.9	44.2	0	53.9	0.04	28	ROBERT JOHNS	ROBERT JOHNS	8/2/2016 1:52:18 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	8/18/2016 8:56:00 AM	2.1	45.3	0	52.6	0.18	27.92	ROBERT JOHNS	ROBERT JOHNS	8/23/2016 3:16:19 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	9/22/2016 8:01:00 AM	2.2	45.8	0	52	-0.15	27.92	ROBERT JOHNS	ROBERT JOHNS	9/30/2016 1:39:56 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	10/20/2016 8:16:00 AM	2.1	44.8	0	53.1	-0.06	28.04	ROBERT JOHNS	ROBERT JOHNS	10/28/2016 10:04:23 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	11/16/2016 1:26:52 PM	1	43	0	56	-0.17	27.86			11/16/2016 2:39:49 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	11/17/2016 8:16:00 AM	2	44.2	0	53.8	-0.27	27.99	ROBERT JOHNS	ROBERT JOHNS	11/22/2016 11:05:07 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	12/14/2016 8:28:22 AM	1.8	44.1	0.1	54	-0.09	28.15			12/15/2016 4:58:00 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	12/15/2016 8:05:00 AM	2.1	44.3	0	53.6	0.09	28	ROBERT JOHNS	ROBERT JOHNS	12/16/2016 4:02:08 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	1/18/2017 11:58:06 AM	1.2	42.2	0	56.6	0.22	28.12	BN	BN	1/19/2017 11:57:15 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	1/25/2017 8:37:00 AM	2.1	47.2	0	50.7	-0.22	28.24	BN	BN	1/26/2017 12:29:21 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	1/26/2017 9:37:00 AM	2.1	45	0	52.9	-0.12	28.27	ROBERT JOHNS	ROBERT JOHNS	2/1/2017 2:00:41 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	2/22/2017 8:16:23 AM	1.2	43.5	0.2	55.1	0.09	28.12	BN	BN	2/23/2017 10:56:07 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	2/23/2017 9:27:00 AM	2.1	45.1	0	52.8	-0.03	28.03	ROBERT JOHNS	ROBERT JOHNS	3/6/2017 8:55:18 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	3/15/2017 8:19:02 AM	1.5	42	0.9	55.6	-0.08	28.15	BN	BN	3/16/2017 4:47:59 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	3/23/2017 9:07:00 AM	1.6	35.6	5.6	57.2	-0.29	28.03	ROBERT JOHNS	ROBERT JOHNS	4/4/2017 11:25:12 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	4/19/2017 8:41:50 AM	1.9	46.1	0.2	51.8	-0.12	28.13	BS	BN	4/20/2017 11:41:09 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	4/20/2017 9:31:00 AM	2.2	45.7	0	52.1	-0.24	28.08	ROBERT JOHNS	ROBERTJOHNS	4/26/2017 9:09:22 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	5/24/2017 9:38:49 AM	1.4	42.9	1.5	54.2	-0.08	27.95	BN	BN	5/25/2017 9:07:46 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	5/25/2017 9:54:00 AM	2.5	47.1	0	50.4	-0.02	27.85	ROBERT JOHNS	ROBERT JOHNS	6/4/2017 11:51:57 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	6/28/2017 8:59:01 AM	1.2	42.9	1.2	54.7	-0.33	27.96	BS	BS	6/30/2017 6:48:17 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	6/29/2017 9:58:00 AM	2.5	46.4	0	51.1	-0.03	27.91	ROBERT JOHNS	ROBERT JOHNS	7/7/2017 8:14:36 AM

Site Name	Point ID	Point Name	Status	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Rel Press ["H2O]	Baro Press ["hg]	Field Technician	Download Technician	Upload Date
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	7/12/2017 10:04:59 AM	1.8	46.8	0.2	51.2	-0.07	28.06	BS	BS	7/14/2017 11:32:40 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	7/13/2017 8:50:00 AM	2.3	45.8	0	51.9	-0.12	28.02	ROBERT JOHNS	ROBERT JOHNS	7/31/2017 12:51:16 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	8/24/2017 10:08:00 AM	0.8	17.8	12.6	68.8	-0.08	27.89	ROBERT JOHNS	ROBERT JOHNS	8/28/2017 1:32:38 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	9/11/2017 10:52:56 AM	1.1	35.3	4.4	59.2	-0.03	28.04	mq	mq	9/11/2017 5:57:34 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	9/12/2017 11:56:28 AM	2	45.6	0	52.4	0	28.02	tr	mq	9/12/2017 1:33:13 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	9/21/2017 7:55:00 AM	1.9	39.8	3.5	54.8	-0.08	27.83	ROBERT JOHNS	ROBERT JOHNS	9/30/2017 12:41:48 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	10/31/2017 9:28:59 AM	2.7	45.8	0.1	51.4	-0.07	27.9	ROBERT JOHNS	ROBERT JOHNS	11/1/2017 11:20:11 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	11/16/2017 9:51:00 AM	1.9	39.7	3	55.4	-0.01	27.97	ROBERT JOHNS	ROBERT JOHNS	11/19/2017 9:52:48 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	12/14/2017 9:30:00 AM	0.8	17.1	13	69.1	-0.08	28.03	ROBERT JOHNS	ROBERT JOHNS	12/15/2017 7:43:26 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	1/25/2018 11:15:43 AM	2.6	38.3	0.1	59	0.01	28.13			1/25/2018 5:25:20 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	2/15/2018 11:02:05 AM	2.5	43.9	0.2	53.4	-0.24	28.21	AR	AR	2/15/2018 4:29:24 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	3/29/2018 10:14:44 AM	2.9	43.2	0.1	53.8	-0.04	28.15			3/29/2018 4:40:11 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	4/19/2018 10:09:53 AM	2.9	43.4	0	53.7	-0.1	28.08			4/19/2018 11:25:05 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	5/24/2018 7:58:46 AM	3.1	44	0	52.9	-0.1	28.15			5/24/2018 11:36:41 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	5/30/2018 8:08:31 AM	3.4	45.6	0	51	-0.24	27.97	mq	mq	5/30/2018 3:59:32 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	6/1/2018 7:33:40 AM	2.9	40.6	1.5	55	-0.18	28.06	MQ	MQ	6/4/2018 12:37:30 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	6/28/2018 8:11:55 AM	3	43.3	0	53.7	-0.14	28.03			6/28/2018 11:02:21 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	7/26/2018 8:21:40 AM	2.7	49.4	0	47.9	-0.03	28.11			7/26/2018 11:07:05 AM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	8/23/2018 8:24:58 AM	2.5	47.4	0	50.1	-0.1	28.12			8/23/2018 1:06:39 PM
Sunshine Canyon Landfill	P00205RD	P-205RD	Active	9/27/2018 8:18:31 AM	2.8	45.9	0	51.3	-0.01	28.08	SD	SD	9/27/2018 10:32:54 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	1/23/2014 9:31:00 AM	1.1	43	0.4	55.5	-0.15	28.1	Robert Johns	Robert Johns	3/13/2014 9:36:21 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	2/13/2014 10:43:00 AM	0.8	41.5	0.1	57.6	0.02	28.15	Robert Johns	Robert Johns	2/14/2014 5:42:10 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	3/13/2014 9:23:00 AM	0.2	35.6	0.2	64	-0.11	27.98	Robert Johns	Robert Johns	3/14/2014 1:05:23 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	4/24/2014 10:07:00 AM	0.7	39.2	0	60.1	0.15	27.94	ROBERT JOHNS	ROBERT JOHNS	4/25/2014 10:28:55 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	5/22/2014 10:07:00 AM	0.6	37.9	0.4	61.1	0.01	27.95	ROBERT JOHNS	ROBERT JOHNS	5/23/2014 12:24:14 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	6/12/2014 9:56:00 AM	1.4	44.3	0	54.3	-0.07	27.91	ROBERT JOHNS	ROBERT JOHNS	6/27/2014 8:58:54 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	7/24/2014 11:08:00 AM	1.3	44.7	0	54	-0.18	27.84	Robert Johns	Robert Johns	7/25/2014 12:13:51 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	8/21/2014 10:05:00 AM	0.9	33.7	4.7	60.7	-0.56	27.92	ROBERT JOHNS	ROBERT JOHNS	8/26/2014 10:18:17 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	9/25/2014 10:06:00 AM	1.3	44.1	0	54.6	-0.38	27.94	Robert Johns	Robert Johns	9/29/2014 8:19:11 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	10/23/2014 10:01:00 AM	1.7	47	0	51.3	-0.23	27.99	Robert Johns	Robert Johns	10/27/2014 2:00:35 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	11/20/2014 10:04:00 AM	0.9	39	0	60.1	-0.08	28.05	ROBERT JOHNS	ROBERT JOHNS	11/21/2014 11:09:22 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	12/18/2014 10:22:00 AM	1.5	44.3	0.2	54	-0.15	28.27	ROBERT JOHNS	ROBERT JOHNS	12/19/2014 10:04:54 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	1/22/2015 10:49:00 AM	1.8	45.8	0.5	51.9	-0.15	28.33	ROBERT JOHNS	ROBERT JOHNS	1/27/2015 4:47:42 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	2/19/2015 10:08:00 AM	1.3	40.1	0.2	58.4	-0.6	28.21	Robert Johns	Robert Johns	2/26/2015 2:07:43 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	3/19/2015 10:37:00 AM	1.7	45.4	0.2	52.7	0.01	28.12	ROBERT JOHNS	ROBERT JOHNS	3/25/2015 8:12:41 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	4/16/2015 9:57:00 AM	1.4	41	0.1	57.5	-0.18	28.14	ROBERT JOHNS	ROBERT JOHNS	4/17/2015 10:51:22 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	5/21/2015 9:41:00 AM	0.9	36.7	0.1	62.3	-0.07	28.04	ROBERT JOHNS	ROBERT JOHNS	5/22/2015 11:40:57 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	6/18/2015 9:23:00 AM	2.2	46.8	0	51	-0.29	28.08	ROBERT JOHNS	ROBERT JOHNS	6/25/2015 4:06:00 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	7/23/2015 9:39:00 AM	2	46.1	0	51.9	0.01	28.1	ROBERT JOHNS	ROBERT JOHNS	7/30/2015 3:40:16 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	8/20/2015 9:51:00 AM	1.7	44.2	0	54.1	-0.12	28.01	ROBERT JOHNS	ROBERT JOHNS	8/27/2015 9:49:04 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	9/17/2015 10:58:00 AM	1.7	43.5	0.1	54.7		28.01	ROBERT JOHNS	ROBERT JOHNS	9/30/2015 10:09:43 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	10/22/2015 10:41:00 AM	1.5	43	0.2	55.3	-0.26	28	ROBERT JOHNS	ROBERT JOHNS	10/23/2015 10:10:10 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	11/19/2015 10:07:00 AM	1.6	43.6	0.3	54.5	-0.04	28.06	ROBERT JOHNS	ROBERT JOHNS	11/20/2015 2:22:04 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	12/17/2015 9:48:00 AM	1.6	42.2	0	56.2	-0.15	28.19	ROBERT JOHNS	ROBERT JOHNS	12/22/2015 4:37:26 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	1/21/2016 9:48:00 AM	0.9	37.1	0	62	-0.14	28.22	ROBERT JOHNS	ROBERT JOHNS	1/26/2016 9:54:28 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	2/18/2016 9:51:00 AM	0.9	37.6	0.1	61.4	-0.26	28	ROBERT JOHNS	ROBERT JOHNS	2/19/2016 8:19:00 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	3/24/2016 10:06:00 AM	1.8	41.8	1	55.4	-0.14	28.11	ROBERT JOHNS	ROBERT JOHNS	3/29/2016 2:14:47 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	4/21/2016 9:44:00 AM	1.2	38.7	0	60.1	-0.56	27.91	ROBERT JOHNS	ROBERT JOHNS	4/29/2016 11:11:25 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	5/19/2016 8:04:00 AM	1	37.2	0	61.8	-0.65	27.93	ROBERT JOHNS	ROBERT JOHNS	5/20/2016 3:54:34 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	6/23/2016 9:28:00 AM	1.9	44.8	0	53.3	-0.51	27.98	ROBERT JOHNS	ROBERT JOHNS	6/28/2016 6:36:07 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	7/21/2016 9:52:00 AM	1.9	44.8	0	53.3	-0.26	28	ROBERT JOHNS	ROBERT JOHNS	8/2/2016 1:52:18 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	8/18/2016 9:01:00 AM	1.9	44.4	0	53.7	0.1	27.92	ROBERT JOHNS	ROBERT JOHNS	8/23/2016 3:16:19 PM

Site Name	Point ID	Point Name	Status	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Rel Press ["H2O]	Baro Press ["hg]	Field Technician	Download Technician	Upload Date
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	9/22/2016 8:03:00 AM	1.8	43.6	0	54.6	-0.14	27.91	ROBERT JOHNS	ROBERT JOHNS	9/30/2016 1:39:56 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	10/20/2016 8:20:00 AM	1.6	42.7	0	55.7	-0.93	28.04	ROBERT JOHNS	ROBERT JOHNS	10/28/2016 10:04:23 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	11/16/2016 1:31:55 PM	0	33.5	0	66.5	0.06	27.86			11/16/2016 2:39:49 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	11/17/2016 8:21:00 AM	1.8	43.9	0	54.3	-0.29	27.99	ROBERT JOHNS	ROBERT JOHNS	11/22/2016 11:05:07 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	12/14/2016 8:32:41 AM	0.9	39.5	0	59.6	-0.06	28.15			12/15/2016 4:58:00 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	12/15/2016 8:10:00 AM	1.2	39.3	0	59.5	-0.22	28	ROBERT JOHNS	ROBERT JOHNS	12/16/2016 4:02:08 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	1/18/2017 12:02:44 PM	0	29.2	0	70.8	0.2	28.13	BN	BN	1/19/2017 11:57:15 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	1/25/2017 8:41:51 AM	0.9	38.1	0	61	-0.28	28.24	BN	BN	1/26/2017 12:29:21 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	1/26/2017 9:41:00 AM	0.6	32.8	0	66.6	-0.8	28.27	ROBERT JOHNS	ROBERT JOHNS	2/1/2017 2:00:41 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	2/22/2017 8:21:12 AM	0.4	35.4	0.2	64	-1.41	28.12	BN	BN	2/23/2017 10:56:07 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	2/23/2017 9:32:00 AM	0.8	34.3	0	64.9	-0.06	28.03	ROBERT JOHNS	ROBERT JOHNS	3/6/2017 8:55:18 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	3/15/2017 8:23:51 AM	1.7	44.5	0	53.8	-0.7	28.15	BN	BN	3/16/2017 4:47:59 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	3/23/2017 9:12:00 AM	1.9	44.3	0	53.8	-0.35	28.02	ROBERT JOHNS	ROBERT JOHNS	4/4/2017 11:25:12 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	4/19/2017 8:46:23 AM	2.3	47.2	0	50.5	-0.27	28.14	BS	BN	4/20/2017 11:41:09 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	4/20/2017 9:34:00 AM	2.3	45.3	0	52.4	-11.18	28.08	ROBERT JOHNS	ROBERTJOHNS	4/26/2017 9:09:22 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	5/24/2017 9:42:52 AM	1.8	44.2	0.2	53.8	-0.12	27.94	BN	BN	5/25/2017 9:07:46 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	5/25/2017 9:59:00 AM	1.9	41.7	0	56.4	-0.96	27.84	ROBERT JOHNS	ROBERT JOHNS	6/4/2017 11:51:57 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	6/28/2017 9:03:41 AM	1.3	43.5	0.1	55.1	-0.09	27.96	BS	BS	6/30/2017 6:48:17 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	6/29/2017 10:03:00 AM	2.1	44.6	0	53.3	-0.51	27.92	ROBERT JOHNS	ROBERT JOHNS	7/7/2017 8:14:36 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	7/12/2017 10:10:07 AM	1.9	45.8	0	52.3	0.11	28.05	BS	BS	7/14/2017 11:32:40 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	7/13/2017 8:53:00 AM	2.1	43.4	0	54.5	-0.43	28.02	ROBERT JOHNS	ROBERT JOHNS	7/31/2017 12:51:16 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	8/24/2017 10:09:00 AM	0.9	21.3	9.7	68.1	-0.02	27.89	ROBERT JOHNS	ROBERT JOHNS	8/28/2017 1:32:38 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	9/11/2017 10:58:30 AM	1	28.1	6	64.9	0	28.04	mq	mq	9/11/2017 5:57:34 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	9/12/2017 12:01:24 PM	1.6	40.6	0	57.8	-0.02	28.02	tr	mq	9/12/2017 1:33:13 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	9/21/2017 7:58:00 AM	1.3	29	6.1	63.6	-0.19	27.83	ROBERT JOHNS	ROBERT JOHNS	9/30/2017 12:41:48 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	10/31/2017 9:32:32 AM	0.9	29.9	2.9	66.3	0	27.9	ROBERT JOHNS	ROBERT JOHNS	11/1/2017 11:20:11 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	11/16/2017 9:53:00 AM	0.7	23.9	6.9	68.5	0.02	27.97	ROBERT JOHNS	ROBERT JOHNS	11/19/2017 9:52:48 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	12/14/2017 9:32:00 AM	0.4	18.3	9.2	72.1	-0.21	28.03	ROBERT JOHNS	ROBERT JOHNS	12/15/2017 7:43:26 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	1/25/2018 11:20:45 AM	0.4	29.4	0.2	70	0.12	28.13			1/25/2018 5:25:20 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	2/15/2018 11:07:04 AM	1.5	36.4	0.1	62	-0.17	28.21	AR	AR	2/15/2018 4:29:24 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	3/29/2018 10:21:17 AM	0.4	26	0.2	73.4	-0.15	28.15			3/29/2018 4:40:11 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	4/19/2018 10:15:03 AM	0.9	29.8	0	69.3	-0.59	28.08			4/19/2018 11:25:05 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	5/24/2018 8:04:40 AM	2	37.2	0	60.8	-0.24	28.14			5/24/2018 11:36:41 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	5/30/2018 8:15:27 AM	1.5	33.5	1.4	63.6	-1.47	27.98	mq	mq	5/30/2018 3:59:32 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	6/5/2018 8:32:17 AM	2.9	42.2	1	53.9	-0.52	28.01	MQ	MQ	6/8/2018 6:39:50 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	6/28/2018 8:17:25 AM	1.8	35.5	0	62.7	-0.27	28.02			6/28/2018 11:02:21 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	7/26/2018 8:28:48 AM	1.8	39.7	0	58.5	-0.1	28.1			7/26/2018 11:07:05 AM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	8/23/2018 8:32:39 AM	1.7	38.5	0	59.8	-0.08	27.9			8/23/2018 1:06:39 PM
Sunshine Canyon Landfill	P00205RE	P-205RE	Active	9/27/2018 8:25:18 AM	1.6	37.1	0	61.3	-0.06	28.08	SD	SD	9/27/2018 10:32:54 AM

ATTACHMENT C

ANALYTICAL RESULTS

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Sample

Report Date: February 2, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon LF
Project No.: 07218035.00
Date Received: January 26, 2018
Date Analyzed: January 26, 2018

	AtmAA Lab No.:	10268-1
	Sample I.D.:	Probe 205RD
Components		*(Concentration in ppmv)*
Methane		27400
Carbon dioxide		464000
Ethane		<5
TGNMO		19.5
Hydrogen sulfide		0.42
		(Concentration in ppbv)
Benzene		7.52
Benzyl chloride		<8
Chlorobenzene		<8
Dichlorobenzenes*		<12
1,1-dichloroethane		<10
1,2-dichloroethane		<10
1,1-dichloroethylene		<10
Dichloromethane		<10
1,2-dibromoethane		<6
Perchloroethylene		<6
Carbon tetrachloride		<8
Toluene		<8
1,1,1-trichloroethane		<6
Trichloroethene		<6
Chloroform		<8
Vinyl chloride		<8
m+p-xylenes		<8
o-xylene		<8

Methane, ethane, and total gaseous non-methane organics (TGNMO) were measured by flame ionization detection/total combustion analysis (FID/TCA) Method 25.
Ethane is reported as ppmvC.
TGNMO is total gaseous non-methane, non-ethane organics reported as ppmvC.
** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Project Location: Sunshine Canyon LF
Date Received: January 26, 2018
Date Analyzed: January 26, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	Probe 205RD	27500	27400	27400	0.18
Ethane	Probe 205RD	<5	<5	---	---
TGNMO	Probe 205RD	18.9	20.1	19.5	3.1
Hydrogen sulfide	Probe 205RD	0.39	0.44	0.42	6.0
		(Concentration in ppbv)			
Benzene	Probe 205RD	7.99	7.05	7.52	6.2
Benzyl chloride	Probe 205RD	<8	<8	---	---
Chlorobenzene	Probe 205RD	<8	<8	---	---
Dichlorobenzenes	Probe 205RD	<12	<12	---	---
1,1-dichloroethane	Probe 205RD	<10	<10	---	---
1,2-dichloroethane	Probe 205RD	<10	<10	---	---
1,1-dichloroethylene	Probe 205RD	<10	<10	---	---
Dichloromethane	Probe 205RD	<10	<10	---	---
1,2-dibromoethane	Probe 205RD	<6	<6	---	---
Perchloroethene	Probe 205RD	<6	<6	---	---
Carbon tetrachloride	Probe 205RD	<8	<8	---	---
Toluene	Probe 205RD	<8	<8	---	---
1,1,1-trichloroethane	Probe 205RD	<6	<6	---	---
Trichloroethene	Probe 205RD	<6	<6	---	---
Chloroform	Probe 205RD	<8	<8	---	---
Vinyl chloride	Probe 205RD	<8	<8	---	---
m+p-xylenes	Probe 205RD	<8	<8	---	---
o-xylene	Probe 205RD	<8	<8	---	---

One Tedlar bag sample, laboratory number 10268-1, was analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 4 repeat measurements from one Tedlar bag sample is 3.9%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

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TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 1

TURNAROUND TIME REQUIRED:
☐ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218035.00

PROJECT MANAGER: RAY AL AYASS

PROJECT NAME: SUNSHINE CANYON

W.O. / S.O. #:

PROJECT LOCATION: SYLMAR CA

SAMPLER NAME AND SIGNATURE: A ROMO

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TOC (EPA METHOD 25)		TAC (TABLE 1)	H2S	CH4	CO2	ETHANE	TGNMO	LAB USE ONLY
	PROBE 205R D	AIR	1-25-18 @ 16:15 HRS	TEDLAR 10 L	NONE		X		X	X	X	X	X	X	102681

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
COMPANY:	TIME:	COMPANY:	TIME:	COMPANY:	TIME:	COMPANY:	TIME:
	1-26-18						1/26/18 09:55

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Samples

Report Date: March 2, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon
Project No.: 07218035.00 Task 1
Date Received: February 16, 2018
Date Analyzed: February 16, 2018

AtmAA Lab No.:	10478-28	10478-29	10478-30	10478-31	10478-32
	P-240E	P-205R-C	P-205R-D	P-205R-E	P-218-B
Components	*(Concentration in ppmv)*				
Methane	76000	20200	27300	16700	1180
Carbon dioxide	2400	442000	475000	384000	346000
Ethane	1230	<5	<5	<5	<5
TGNMO	265	<5	<5	<5	<5
Hydrogen sulfide	<0.2	<0.2	0.97	1.26	<0.2
	(Concentration in ppbv)				
Benzene	5.04	6.45	6.64	1.94	1.06
Benzyl chloride	<1.4	<1.4	<1.4	<1.4	<1.4
Chlorobenzene	<1.4	<1.4	<1.4	<1.4	<1.4
Dichlorobenzenes*	<3	<3	<3	<3	<3
1,1-dichloroethane	<1.4	<1.4	<1.4	<1.4	<1.4
1,2-dichloroethane	<1.4	<1.4	<1.4	<1.4	<1.4
1,1-dichloroethylene	<1.4	<1.4	<1.4	<1.4	<1.4
Dichloromethane	<3	<3	<3	<3	<3
1,2-dibromoethane	<1	<1	<1	<1	<1
Perchloroethylene	<1	<1	<1	<1	35.7
Carbon tetrachloride	<1.4	<1.4	<1.4	<1.4	<1.4
Toluene	<1.4	<1.4	2.23	1.65	<1.4
1,1,1-trichloroethane	<1	<1	<1	<1	<1
Trichloroethene	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	1.06
Vinyl chloride	<1	<1	<1	<1	<1
m+p-xylenes	<1.4	1.47	1.84	<1.4	<1.4
o-xylene	<1.4	<1.4	<1.4	<1.4	<1.4

Methane was measured by thermal conductivity detection/gas chromatography (TCD/GC), EPA Method 3C.
Ethane, and total gaseous non-methane organics (TGNMO) were measured by flame ionization detection/ total combustion analysis (FID/TCA) Method 25.
Ethane is reported as ppmvC.
TGNMO is total gaseous non-methane, non-ethane organics reported as ppmvC.
** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Project Location: Sunshine Canyon
Date Received: February 16, 2018
Date Analyzed: February 16, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	P-240E	75800	76100	76000	0.20
Ethane	P-240E	1230	1230	1230	0.0
TGNMO	P-240E	265	265	265	0.0
Hydrogen sulfide	P-240E	<0.2	<0.2	---	---
	P-205R-C	<0.2	<0.2	---	---
	P-205R-D	1.00	0.94	0.97	3.1
	P-205R-E	1.22	1.31	1.26	3.6
	P-218-B	<0.2	<0.2	---	---
		(Concentration in ppbv)			
Benzene	P-240E	5.01	5.07	5.04	0.60
Benzyl chloride	P-240E	<1.4	<1.4	---	---
Chlorobenzene	P-240E	<1.4	<1.4	---	---
Dichlorobenzenes	P-240E	<3	<3	---	---
1,1-dichloroethane	P-240E	<1.4	<1.4	---	---
1,2-dichloroethane	P-240E	<1.4	<1.4	---	---
1,1-dichloroethylene	P-240E	<1.4	<1.4	---	---
Dichloromethane	P-240E	<3	<3	---	---
1,2-dibromoethane	P-240E	<1	<1	---	---
Perchloroethene	P-240E	<1	<1	---	---
Carbon tetrachloride	P-240E	<1.4	<1.4	---	---
Toluene	P-240E	<1.4	<1.4	---	---
1,1,1-trichloroethane	P-240E	<1	<1	---	---
Trichloroethene	P-240E	<1	<1	---	---
Chloroform	P-240E	<1	<1	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)
(continued)

Project Location: Sunshine Canyon
Date Received: February 16, 2018
Date Analyzed: February 16, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppbv)			
Vinyl chloride	P-240E	<1	<1	---	---
m+p-xylenes	P-240E	<1.4	<1.4	---	---
o-xylene	P-240E	<1.4	<1.4	---	---

Five Tedlar bag samples, laboratory numbers 10478-(28-32), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 6 repeat measurements from five Tedlar bag samples is 1.2%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

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TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 1

TURNAROUND TIME REQUIRED:
☒ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218D35.00 TASK 01

PROJECT MANAGER: RAY AL AYASS

PROJECT NAME: SUNSHINE CANYON

W.O. / S.O. #:

PROJECT LOCATION: SYLMAR CA

SAMPLER NAME AND SIGNATURE:

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TOC (EPA METHOD 25)	TAC (TABLE 1)	H_2S	CH_4	CO_2	ETHANE	TOXMD	LAB USE ONLY
	P-240E	LFG	2-15-18 12:45 pm	1 OL TEDLAR	NONE	10478-28	X	X	X	X	X	X	X	
	P-205R-C	LFG	2-15-18 1300 PM	1 OL TEDLAR	NONE	-29	X	X	X	X	X	X	X	
	P-205R-D	LFG	2-15-18 1315 PM	1 OL TEDLAR	NONE	-30	X	X	X	X	X	X	X	
	P-205R-E	LFG	2-15-18 1330 PM	1 OL TEDLAR	NONE	-31	X	X	X	X	X	X	X	
	P-218-B	LFG	2-15-18 1345 pm	1 OL TEDLAR	NONE	-32	X	X	X	X	X	X	X	

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
COMPANY: SCS-FS	TIME: 2/16/18	COMPANY:	TIME: 10:30	COMPANY:	TIME:	COMPANY:	TIME: 10:30

FORM NO. 107 REV. 3/14 TWIN CONCEPTS

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Sample

Report Date: April 11, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon LF
Project No.: 07218035.00 Task 01
Date Received: March 30, 2018
Date Analyzed: March 30, 2018

AtmAA Lab No.:	10888-13	10898-14
Sample I.D.:	Probe 205R-C	Probe 205R-D
Components	*(Concentration in ppmv)*	
Methane	16000	28900
Carbon dioxide	389000	473000
Ethane	<5	<5
TGNMO	17.9	17.9
Hydrogen sulfide	<0.1	0.54
	(Concentration in ppbv)	
Benzene	5.56	5.95
Benzyl chloride	<4	<4
Chlorobenzene	<4	<4
Dichlorobenzenes*	<6	<6
1,1-dichloroethane	<4	<4
1,2-dichloroethane	<4	<4
1,1-dichloroethylene	<4	<4
Dichloromethane	<4	<4
1,2-dibromoethane	<3	<3
Perchloroethylene	<3	<3
Carbon tetrachloride	<4	<4
Toluene	<4	<4
1,1,1-trichloroethane	<3	<3
Trichloroethene	<3	<3
Chloroform	<3	<3
Vinyl chloride	<3	<3
m+p-xylenes	<4	<4
o-xylene	<4	<4

Methane, ethane, and total gaseous non-methane organics (TGNMO) were measured by flame ionization detection/total combustion analysis (FID/TCA) Method 25.
Ethane is reported as ppmvC.
TGNMO is total gaseous non-methane, non-ethane organics reported as ppmvC.
** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Sunshine Canyon LF
Date Received: March 30, 2018
Date Analyzed: March 30, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	Probe 205R-C	16200	15900	16000	0.93
Ethane	Probe 205R-C	<5	<5	---	---
TGNMO	Probe 205R-C	17.3	18.5	17.9	3.4
Hydrogen sulfide	Probe 205R-C	<0.1	<0.1	---	---
	Probe 205R-D	0.53	0.55	0.54	1.8
		(Concentration in ppbv)			
Benzene	Probe 205R-C	5.64	5.48	5.56	1.4
Benzyl chloride	Probe 205R-C	<4	<4	---	---
Chlorobenzene	Probe 205R-C	<4	<4	---	---
Dichlorobenzenes	Probe 205R-C	<6	<6	---	---
1,1-dichloroethane	Probe 205R-C	<4	<4	---	---
1,2-dichloroethane	Probe 205R-C	<4	<4	---	---
1,1-dichloroethylene	Probe 205R-C	<4	<4	---	---
Dichloromethane	Probe 205R-C	<4	<4	---	---
1,2-dibromoethane	Probe 205R-C	<3	<3	---	---
Perchloroethene	Probe 205R-C	<3	<3	---	---
Carbon tetrachloride	Probe 205R-C	<4	<4	---	---
Toluene	Probe 205R-C	<4	<4	---	---
1,1,1-trichloroethane	Probe 205R-C	<3	<3	---	---
Trichloroethene	Probe 205R-C	<3	<3	---	---
Chloroform	Probe 205R-C	<3	<3	---	---
Vinyl chloride	Probe 205R-C	<3	<3	---	---
m+p-xylenes	Probe 205R-C	<4	<4	---	---
o-xylene	Probe 205R-C	<4	<4	---	---

Two Tedlar bag samples, laboratory numbers 10898-(13 & 14), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 4 repeat measurements from two Tedlar bag samples is 1.9%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

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TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 1

TURNAROUND TIME REQUIRED: ☒ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218035.00 TASK 01

PROJECT MANAGER: RAY ALAYASS

PROJECT NAME: SUNSHINE CYN

W.O. / S.O. #:

PROJECT LOCATION: SYLMAR CA.

SAMPLER NAME AND SIGNATURE:

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TOC	TNMC	H2S	CH4	CO2	ETHANE	TO-15 MOD			LAB USE ONLY
	P205R-C	LFG	3-29-18 1330 PM	1oL TEDLAR	NONE	10898-13	X	X	X	X	X	X	X			
	P205R-D	LFG	3-29-18 1345 PM	1oL TEDLAR	NONE	14	X	X	X	X	X	X	X			

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
COMPANY: SCS-FS	TIME:	COMPANY: DCS	TIME: 10	COMPANY:	TIME:	COMPANY:	TIME:

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Samples

Report Date: July 6, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon
Project No.: 07218035.00
Date Received: June 29, 2018
Date Analyzed: June 29, 2018

AtmAA Lab No.:	11808-1	11808-2	11808-3
	P-205RC	P-205RD	P-205RE
Components	*(Concentration in ppmv)*		
Methane	19700	29600	19200
Carbon dioxide	445000	476000	398000
Ethane	<5	<5	<5
TGNMO	14.2	10.3	9.50
Hydrogen sulfide	<0.2	<0.2	1.93
	(Concentration in ppbv)		
Benzene	3.82	3.95	1.38
Benzyl chloride	<1.4	<1.4	<1.4
Chlorobenzene	<1.4	<1.4	<1.4
Dichlorobenzenes*	<3	<3	<3
1,1-dichloroethane	<1.4	<1.4	<1.4
1,2-dichloroethane	<1.4	<1.4	<1.4
1,1-dichloroethylene	<1.4	<1.4	<1.4
Dichloromethane	<2	<2	<2
1,2-dibromoethane	<1	<1	<1
Perchloroethylene	<1	<1	<1
Carbon tetrachloride	<1.4	<1.4	<1.4
Toluene	<1.4	<1.4	<1.4
1,1,1-trichloroethane	<1	<1	<1
Trichloroethene	<1	<1	<1
Chloroform	<1	<1	<1
Vinyl chloride	<1	<1	<1
m+p-xylenes	1.47	<1.4	<1.4
o-xylene	<1.4	<1.4	<1.4

Methane was measured by thermal conductivity detection/gas chromatography (TCD/GC), EPA Method 3C. Ethane, and total gaseous non-methane organics (TGNMO) were measured by flame ionization detection/ total combustion analysis (FID/TCA) Method 25.

Ethane is reported as ppmvC.

TGNMO is total gaseous non-methane, non-ethane organics reported as ppmvC.

** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Sunshine Canyon
Date Received: June 29, 2018
Date Analyzed: June 29, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	P-205RC	19600	19800	19700	0.51
Ethane	P-205RC	<5	<5	---	---
TGNMO	P-205RC	14.2	14.3	14.2	0.35
Hydrogen sulfide	P-205RE	1.91	1.95	0.97	3.1
		(Concentration in ppbv)			
Benzene	P-205RC	3.70	3.95	3.82	3.3
Benzyl chloride	P-205RC	<1.4	<1.4	---	---
Chlorobenzene	P-205RC	<1.4	<1.4	---	---
Dichlorobenzenes	P-205RC	<3	<3	---	---
1,1-dichloroethane	P-205RC	<1.4	<1.4	---	---
1,2-dichloroethane	P-205RC	<1.4	<1.4	---	---
1,1-dichloroethylene	P-205RC	<1.4	<1.4	---	---
Dichloromethane	P-205RC	<2	<2	---	---
1,2-dibromoethane	P-205RC	<1	<1	---	---
Perchloroethene	P-205RC	<1	<1	---	---
Carbon tetrachloride	P-205RC	<1.4	<1.4	---	---
Toluene	P-205RC	<1.4	<1.4	---	---
1,1,1-trichloroethane	P-205RC	<1	<1	---	---
Trichloroethene	P-205RC	<1	<1	---	---
Chloroform	P-205RC	<1	<1	---	---
Vinyl chloride	P-205RC	<1	<1	---	---
m+p-xylenes	P-205RC	<1.4	1.47	---	---
o-xylene	P-205RC	<1.4	<1.4	---	---

Three Tedlar bag samples, laboratory numbers 11808-(1-3), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 4 repeat measurements from two Tedlar bag samples is 1.8%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

9383 Charles Smith Avenue
Rancho Cucamonga, CA 91730
Office 909-373-2508 Fax 909-373-2518

TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 1

TURNAROUND TIME REQUIRED:
☒ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218035.00

PROJECT MANAGER: RAY AL AYASS

PROJECT NAME: SUNSHINE CANYON

W.O. / S.O. #:

PROJECT LOCATION: SYLMAR, CA

SAMPLER NAME AND SIGNATURE:

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TOC	TAC	H_2S	CH_4	CO_2	ETHANE	TGNMOC			LAB USE ONLY
180090-1	PROBE 205RC	AIR	06-28-18 13:07	10L TEDLAR	NONE		X	X	X	X	X	X	X			
-2																
-2	PROBE 205RD	AIR	06-28-18 13:30	10L TEDLAR	NONE		X	X	X	X	X	X	X			
-3	PROBE 205RE	AIR	06-28-18 13:40	10L TEDLAR	NONE		X	X	X	X	X	X	X			

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
COMPANY: SCS	TIME: 1000	COMPANY: OS	TIME:	COMPANY:	TIME:	COMPANY:	TIME: 11:00

6/29/18

FORM NO. 107 REV. 3/14 TWIN CONCEPTS

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

LABORATORY ANALYSIS REPORT

TO-15 Component Analysis in Probe Tedlar Bag Samples, by GC/MS

Report Date: July 12, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon
Project No.: 07218035.00
Date Received: June 29, 2018
Date Analyzed: June 29, 2018

AtmAA Lab No.:	11808-1	11808-2	11808-3
Sample ID:	Probe 205RC	Probe 205RD	Probe 205RE
Components	*(Concentations in ppbv)*		
Freon 12	<0.6	<0.6	<0.6
Chloromethane	<0.8	<0.8	<0.8
Freon 114	<0.6	<0.6	<0.6
Vinyl Chloride	<0.6	<0.6	<0.6
1,3-Butadiene	<0.8	<0.8	<0.8
Bromomethane	<0.8	<0.8	<0.8
Chloroethane	<0.6	<0.6	<0.6
Bromoethene	<0.8	<0.8	<0.8
Acetone	61.6	63.0	108
Freon 11	<0.6	<0.6	<0.6
Isopropyl Alcohol	78.6	108	133
1,1-Dichloroethene	<0.8	<0.8	<0.8
Methylene Chloride	<0.8	<0.8	<0.8
3-Chloro-1-Propene	<0.8	<0.8	<0.8
Carbon Disulfide	<0.6	<0.6	<0.6
Freon 113	<0.6	<0.6	<0.6
trans-1,2-Dichloroethene	<0.8	<0.8	<0.8
1,1-Dichloroethane	<0.8	<0.8	<0.8
MTBE	<0.8	<0.8	<0.8
Vinyl Acetate	<1	<1	<1
2-Butanone	<2	<2	<2
cis-1,2-Dichloroethene	<0.8	<0.8	<0.8
n-Hexane	0.94	0.85	<0.8
Chloroform	<0.6	<0.6	<0.6
Ethyl Acetate	<0.8	<0.8	<0.8
Tetrahydrofuran	<0.8	<0.8	<0.8
1,2-Dichloroethane	<0.8	<0.8	<0.8
1,1,1-Trichloroethane	<0.6	<0.6	<0.6
Benzene	3.82	3.95	1.38
Carbon Tetrachloride	<0.6	<0.6	<0.6
Cyclohexane	<0.8	<0.8	<0.8
1,2-Dichloropropane	<0.8	<0.8	<0.8
Bromodichloromethane	<0.8	<0.8	<0.8
Trichloroethene	<0.6	<0.6	<0.6
1,4-Dioxane	<0.8	<0.8	<0.8
2,2,4-Trimethyl Pentane	<0.8	<0.8	<0.8
n-Heptane	<0.8	<0.8	<0.8
cis-1,3-Dichloropropene	<0.8	<0.8	<0.8
4-Methyl-2-pentanone	<0.8	<0.8	<0.8
trans-1,3-Dichloropropene	<0.8	<0.8	<0.8
1,1-2-Trichloroethane	<0.8	<0.8	<0.8
Toluene	0.98	1.22	1.06
2-Hexanone	<0.8	<0.8	<0.8
Dibromochloromethane	<0.6	<0.6	<0.6
1,2-Dibromomethane	<0.6	<0.6	<0.6
Tetrachloroethene	<0.6	<0.6	<0.6
Chlorobenzene	<0.8	<0.8	<0.8
Ethylbenzene	<0.6	<0.6	<0.6
m,p-Xylene	1.36	1.01	1.20
Bromoform	<0.6	<0.6	<0.6
Styrene	<0.6	<0.6	<0.6
1,1,2,2-Tetrachloroethane	<0.6	<0.6	<0.6
o-Xylene	1.18	0.78	1.01
Benzyl Chloride	<0.8	<0.8	<0.8
4-Ethyl Toluene	<0.6	<0.6	<0.6
1,3,5-Trimethyl Benzene	<0.6	<0.6	<0.6
1,2,4-Trimethyl Benzene	0.67	0.69	0.65
1,3-Dichlorobenzene	<0.6	<0.6	<0.6
1,4-Dichlorobenzene	<0.6	<0.6	<0.6
1,2-Dichlorobenzene	<0.6	<0.6	<0.6
1,2,4-Trichlorobenzene	<0.8	<0.8	<0.8
Hexachlorobutadiene	<0.6	<0.6	<0.6

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Project Location: Sunshine Canyon
Date Received: June 29, 2018
Date Analyzed: June 29, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppbv)			
Freon-12	Probe 205RC	<0.6	<0.6	---	---
Chloromethane	Probe 205RC	<0.8	<0.8	---	---
Freon 114	Probe 205RC	<0.6	<0.6	---	---
Vinyl Chloride	Probe 205RC	<0.6	<0.6	---	---
1,3-Butadiene	Probe 205RC	<0.8	<0.8	---	---
Bromomethane	Probe 205RC	<0.8	<0.8	---	---
Chloroethane	Probe 205RC	<0.6	<0.6	---	---
Bromoethene	Probe 205RC	<0.8	<0.8	---	---
Acetone	Probe 205RC	56.1	67.2	61.6	9.0
Freon 11	Probe 205RC	<0.6	<0.6	---	---
Isopropyl Alcohol	Probe 205RC	73.8	83.5	78.6	6.2
1,1-Dichloroethene	Probe 205RC	<0.8	<0.8	---	---
Methylene Chloride	Probe 205RC	<0.8	<0.8	---	---
3-Chloro-1-Propene	Probe 205RC	<0.8	<0.8	---	---
Carbon Disulfide	Probe 205RC	<0.6	<0.6	---	---
Freon 113	Probe 205RC	<0.6	<0.6	---	---
trans-1,2-Dichloroethene	Probe 205RC	<0.8	<0.8	---	---
1,1-Dichloroethane	Probe 205RC	<0.8	<0.8	---	---
MTBE	Probe 205RC	<0.8	<0.8	---	---
Vinyl Acetate	Probe 205RC	<1	<1	---	---
2-Butanone	Probe 205RC	<2	<2	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)
(continued)

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppbv)			
cis-1,2-Dichloroethene	Probe 205RC	<0.8	<0.8	---	---
n-Hexane	Probe 205RC	0.85	1.02	0.94	9.1
Chloroform	Probe 205RC	<0.6	<0.6	---	---
Ethyl Acetate	Probe 205RC	<0.8	<0.8	---	---
Tetrahydrofuran	Probe 205RC	<0.8	<0.8	---	---
1,2-Dichloroethane	Probe 205RC	<0.8	<0.8	---	---
1,1,1-Trichloroethane	Probe 205RC	<0.6	<0.6	---	---
Benzene	Probe 205RC	3.70	3.95	3.82	3.3
Carbon Tetrachloride	Probe 205RC	<0.6	<0.6	---	---
Cyclohexane	Probe 205RC	<0.8	<0.8	---	---
1,2-Dichloropropane	Probe 205RC	<0.8	<0.8	---	---
Bromodichloromethane	Probe 205RC	<0.8	<0.8	---	---
Trichloroethene	Probe 205RC	<0.6	<0.6	---	---
1,4-Dioxane	Probe 205RC	<0.8	<0.8	---	---
2,2,4-Trimethyl Pentane	Probe 205RC	<0.8	<0.8	---	---
n-Heptane	Probe 205RC	<0.8	<0.8	---	---
cis-1,3-Dichloropropene	Probe 205RC	<0.8	<0.8	---	---
4-Methyl-2-pentanone	Probe 205RC	<0.8	<0.8	---	---
trans-1,3-Dichloropropene	Probe 205RC	<0.8	<0.8	---	---
1,1-2-Trichloroethane	Probe 205RC	<0.8	<0.8	---	---
Toluene	Probe 205RC	0.96	1.01	0.98	2.5
2-Hexanone	Probe 205RC	<0.8	<0.8	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)
(continued)

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppbv)			
Dibromochloromethane	Probe 205RC	<0.6	<0.6	---	---
1,2-Dibromomethane	Probe 205RC	<0.6	<0.6	---	---
Tetrachloroethene	Probe 205RC	<0.6	<0.6	---	---
Chlorobenzene	Probe 205RC	<0.8	<0.8	---	---
Ethylbenzene	Probe 205RC	<0.6	<0.6	---	---
m,p-Xylene	Probe 205RC	1.24	1.47	1.36	8.5
Bromoform	Probe 205RC	<0.6	<0.6	---	---
Styrene	Probe 205RC	<0.6	<0.6	---	---
1,1,2,2-Tetrachloroethane	Probe 205RC	<0.6	<0.6	---	---
o-Xylene	Probe 205RC	1.20	1.15	1.18	2.1
Benzyl Chloride	Probe 205RC	<0.8	<0.8	---	---
4-Ethyl Toluene	Probe 205RC	<0.6	<0.6	---	---
1,3,5-Trimethyl Benzene	Probe 205RC	<0.6	<0.6	---	---
1,2,4-Trimethyl Benzene	Probe 205RC	0.69	0.65	0.67	3.0
1,3-Dichlorobenzene	Probe 205RC	<0.6	<0.6	---	---
1,4-Dichlorobenzene	Probe 205RC	<0.6	<0.6	---	---
1,2-Dichlorobenzene	Probe 205RC	<0.6	<0.6	---	---
1,2,4-Trichlorobenzene	Probe 205RC	<0.8	<0.8	---	---
Hexachlorobutadiene	Probe 205RC	<0.6	<0.6	---	---

Three Tedlar bag samples, laboratory numbers 11808-(1-3), were analyzed for TO-15 components y GC/MS. Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 8 repeat measurements from the three Tedlar bag samples is 5.5%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

9383 Charles Smith Avenue
Rancho Cucamonga, CA 91730
Office 909-373-2508 Fax 909-373-2518

TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 1

TURNAROUND TIME REQUIRED:
☒ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218035.00

PROJECT MANAGER: RAY AL AYASS

PROJECT NAME: SUNSHINE CANYON

W.O. / S.O. #:

PROJECT LOCATION: SYLMAR, CA

SAMPLER NAME AND SIGNATURE:

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	TOC	TAC	H_2S	CH_4	CO_2	ETHANE	TGNMOC			LAB USE ONLY
1180080-1	PROBE 205RC	AIR	06-28-18 13:07	10L TEDLAR	NONE		X	X	X	X	X	X	X			
-2																
-2	PROBE 205RD	AIR	06-28-18 13:30	10L TEDLAR	NONE		X	X	X	X	X	X	X			
-3	PROBE 205RE	AIR	06-28-18 13:40	10L TEDLAR	NONE		X	X	X	X	X	X	X			

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
COMPANY: SCS	TIME: 1000	COMPANY: DS	TIME: 1115	COMPANY:	TIME:	COMPANY:	TIME: 11:00 6/29/18

FORM NO. 107 REV. 3/14 TWIN CONCEPTS

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

environmental consultants
laboratory services
atmaa.com

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Samples

Report Date: August 6, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon
Project No.: 07218035.00
Date Received: July 27, 2018
Date Analyzed: July 27-30, 2018

AtmAA Lab No.:	12088-10	12088-11	12088-12	12088-13
	P-205R-C	P-205R-D	P-205R-E	P-220B-B
Components	*(Concentration in ppmv)*			
Methane	19500	27400	18800	74.1
Carbon dioxide	446000	472000	387000	90600
Ethane	<5	<5	<5	<1
TGNMO	14.2	14.7	12.2	6.01
Hydrogen sulfide	<0.1	<0.1	1.26	<0.1
	(Concentration in ppbv)			
Benzene	5.42	5.14	1.82	<1
Benzyl chloride	<1.4	<1.4	<1.4	<1.4
Chlorobenzene	<1.4	<1.4	<1.4	<1.4
Dichlorobenzenes*	3.69	3.39	3.36	<3
1,1-dichloroethane	<1.4	<1.4	<1.4	<1.4
1,2-dichloroethane	<1.4	<1.4	<1.4	<1.4
1,1-dichloroethylene	<1.4	<1.4	<1.4	<1.4
Dichloromethane	<2	<2	<2	<2
1,2-dibromoethane	<1	<1	<1	<1
Perchloroethylene	<1	<1	<1	2.39
Carbon tetrachloride	<1.4	<1.4	<1.4	<1.4
Toluene	2.58	2.55	2.23	1.40
1,1,1-trichloroethane	<1	<1	<1	<1
Trichloroethene	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
Vinyl chloride	<1	<1	<1	<1
m+p-xylenes	3.09	2.53	3.00	<1.4
o-xylene	1.62	<1.4	<1.4	<1.4

Methane was measured by thermal conductivity detection/gas chromatography (TCD/GC), EPA Method 3C.
Ethane, and total gaseous non-methane organics (TGNMO) were measured by flame ionization detection/ total combustion analysis (FID/TCA) Method 25.
Ethane is reported as ppmvC.
TGNMO is total gaseous non-methane, non-ethane organics reported as ppmvC.
** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Sunshine Canyon
Date Received: July 27, 2018
Date Analyzed: July 27-30, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	P-205R-C	19600	19400	19500	0.51
Ethane	P-205R-C	<5	<5	---	---
TGNMO	P-205R-C	14.0	14.4	14.2	1.4
Hydrogen sulfide	P-205R-C	<0.1	<0.1	---	---
	P-205R-E	1.23	1.30	1.26	2.8
	P-220B-B	<0.1	<0.1	---	---
		(Concentration in ppbv)			
Benzene	P-205R-C	5.51	5.32	5.42	1.8
Benzyl chloride	P-205R-C	<1.4	<1.4	---	---
Chlorobenzene	P-205R-C	<1.4	<1.4	---	---
Dichlorobenzenes	P-205R-C	3.59	3.79	3.69	2.7
1,1-dichloroethane	P-205R-C	<1.4	<1.4	---	---
1,2-dichloroethane	P-205R-C	<1.4	<1.4	---	---
1,1-dichloroethylene	P-205R-C	<1.4	<1.4	---	---
Dichloromethane	P-205R-C	<2	<2	---	---
1,2-dibromoethane	P-205R-C	<1	<1	---	---
Perchloroethene	P-205R-C	<1	<1	---	---
Carbon tetrachloride	P-205R-C	<1.4	<1.4	---	---
Toluene	P-205R-C	2.28	2.87	2.58	11
1,1,1-trichloroethane	P-205R-C	<1	<1	---	---
Trichloroethene	P-205R-C	<1	<1	---	---
Chloroform	P-205R-C	<1	<1	---	---
Vinyl chloride	P-205R-C	<1	<1	---	---
m+p-xylenes	P-205R-C	3.23	2.95	3.09	4.5
o-xylene	P-205R-C	1.84	1.40	1.62	14

Four Tedlar bag samples, laboratory numbers 12088-(10-13), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 8 repeat measurements from four Tedlar bag samples is 4.8%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

9383 Charles Smith Avenue
Rancho Cucamonga, CA 91730
Office 909-373-2508 Fax 909-373-2518

TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 1

TURNAROUND TIME REQUIRED:
☑ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218035.00

PROJECT MANAGER: Ray Al Ayass

PROJECT NAME: Sunshine Canyon

W.O. / S.O. #:

PROJECT LOCATION: Sylmar, CA

SAMPLER NAME AND SIGNATURE: Saulo DIAZ -

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TOC	TAC	H_2S	CH_4	CO_2	Ethane	TGNMO			LAB USE ONLY
	Probe 205R-C	AIR	07/26/18 @ 1400 HRS	10L TEDLAR	NONE		X	X	X	X	X	X	X			12058-10
	Probe 205R-D	AIR	07/26/18 @ 1415 HRS	10L TEDLAR	NONE		X	X	X	X	X	X	X			-11
	Probe 205R-E	AIR	07/26/18 @ 1425 HRS	10L TEDLAR	NONE		X	X	X	X	X	X	X			-12
	Probe 220B-B	AIR	07/26/18 @ 1500 HRS	10L TEDLAR	NONE		X	X	X	X	X	X	X			-13

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
COMPANY: SCS	TIME: 1000	COMPANY:	TIME:	COMPANY:	TIME:	COMPANY: Atmaa	TIME:

FORM NO. 107 REV. 3/14 TWIN CONCEPTS

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250
environmental consultants
laboratory services
atmaa.com

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Samples

Report Date: September 4, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon
Project No.: 07218035.00
Date Received: August 24, 2018
Date Analyzed: August 24, 2018

AtmAA Lab No.:	12368-3	12368-4	12368-5	12368-6
	P-205R-B	P-205R-C	P-205R-D	P-205R-E
Components	*(Concentration in ppmv)*			
Methane	11600	19800	27200	19400
Carbon dioxide	313000	452000	474000	392000
Ethane	<5	<5	<5	<1
TGNMO	7.51	7.97	7.41	7.44
Hydrogen sulfide	0.17	<0.1	<0.1	1.05
	(Concentration in ppbv)			
Benzene	3.35	5.95	5.26	2.94
Benzyl chloride	<1.4	<1.4	<1.4	<1.4
Chlorobenzene	<1.4	<1.4	<1.4	<1.4
Dichlorobenzenes*	3.54	<3	3.33	3.79
1,1-dichloroethane	<1.4	<1.4	<1.4	<1.4
1,2-dichloroethane	<1.4	<1.4	<1.4	<1.4
1,1-dichloroethylene	<1.4	<1.4	<1.4	<1.4
Dichloromethane	<2	<2	<2	<2
1,2-dibromoethane	<1	<1	<1	<1
Perchloroethylene	<1	<1	<1	<1
Carbon tetrachloride	<1.4	<1.4	<1.4	<1.4
Toluene	2.66	1.91	2.34	2.02
1,1,1-trichloroethane	<1	<1	<1	<1
Trichloroethene	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
Vinyl chloride	<1	<1	<1	<1
m+p-xylenes	2.70	1.75	1.89	1.82
o-xylene	1.66	1.43	<1.4	<1.4

Methane was measured by thermal conductivity detection/gas chromatography (TCD/GC), EPA Method 3C.
Ethane, and total gaseous non-methane organics (TGNMO) were measured by flame ionization detection/ total combustion analysis (FID/TCA) Method 25.
Ethane is reported as ppmvC.
TGNMO is total gaseous non-methane, non-ethane organics reported as ppmvC.
** total amount containing meta, para, and ortho isomers*

Brian W. Eung
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Sunshine Canyon
Date Received: August 24, 2018
Date Analyzed: August 24, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	P-205R-B	11600	11600	11600	0.0
Ethane	P-205R-B	<5	<5	---	---
TGNMO	P-205R-B	7.79	7.23	7.51	3.7
Hydrogen sulfide	P-205R-B	0.17	0.17	0.17	0.0
	P-205R-C	<0.1	<0.1	---	---
	P-205R-D	<0.1	<0.1	---	---
	P-205R-E	1.06	1.04	1.05	0.95
		(Concentration in ppbv)			
Benzene	P-205R-B	3.51	3.19	3.35	4.8
Benzyl chloride	P-205R-B	<1.4	<1.4	---	---
Chlorobenzene	P-205R-B	<1.4	<1.4	---	---
Dichlorobenzenes	P-205R-B	3.36	3.73	3.54	5.2
1,1-dichloroethane	P-205R-B	<1.4	<1.4	---	---
1,2-dichloroethane	P-205R-B	<1.4	<1.4	---	---
1,1-dichloroethylene	P-205R-B	<1.4	<1.4	---	---
Dichloromethane	P-205R-B	<2	<2	---	---
1,2-dibromoethane	P-205R-B	<1	<1	---	---
Perchloroethene	P-205R-B	<1	<1	---	---
Carbon tetrachloride	P-205R-B	<1.4	<1.4	---	---
Toluene	P-205R-B	2.50	2.81	2.66	5.8
1,1,1-trichloroethane	P-205R-B	<1	<1	---	---
Trichloroethene	P-205R-B	<1	<1	---	---
Chloroform	P-205R-B	<1	<1	---	---
Vinyl chloride	P-205R-B	<1	<1	---	---
m+p-xylenes	P-205R-B	2.49	2.90	2.70	7.6
o-xylene	P-205R-B	1.57	1.75	1.66	5.4

Four Tedlar bag samples, laboratory numbers 12368-(3-6), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 9 repeat measurements from four Tedlar bag samples is 3.7%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

9383 Charles Smith Avenue
Rancho Cucamonga, CA 91730
Office 909-373-2508 Fax 909-373-2518

TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 1

TURNAROUND TIME REQUIRED: ☑ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218035.00

PROJECT MANAGER: Ray Al Ayass

PROJECT NAME: Sunshine Canyon

W.O. / S.O. #:

PROJECT LOCATION: Sylmar, CA

SAMPLER NAME AND SIGNATURE: Saulo Diaz - [signature]

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TOC	TAC	H_2S	CH_4	CO_2	Ethane	TGNMO			LAB USE ONLY
12368-3	Probe 205R-B	AIR	08/23/18@ 1400	1 OL TEDLAR	NONE		X	X	X	X	X	X	X			
-4	Probe 205R-C	AIR	08/23/18@ 1410	1 OL TEDLAR	NONE		X	X	X	X	X	X	X			
-5	Probe 205R-D	AIR	08/23/18@ 1420	1 OL TEDLAR	NONE		X	X	X	X	X	X	X			
-6	Probe 205R-E	AIR	08/23/18@ 1430	1 OL TEDLAR	NONE		X	X	X	X	X	X	X			

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
[signature]	8-24-18	[signature]	8-24-18			[signature]	8/24/18
COMPANY:	TIME:	COMPANY:	TIME: 1010	COMPANY:	TIME:	COMPANY:	TIME:

FORM NO. 107 REV. 3/14 TWIN CONCEPTS

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250
environmental consultants
laboratory services
atmaa.com

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Samples

Report Date: October 11, 2018
Client: SCS Field Services
Project Location: Sunshine Canyon
Project No.: 07218035.00
Date Received: September 28, 2018
Date Analyzed: September 28 & 29, 2018

AtmAA Lab No.:	12718-8	12718-9	12718-10
	P 205R-C	P 205R-D	P 205R-E
Components	*(Concentration in ppmv)*		
Methane	19000	26900	16500
Carbon dioxide	442000	475000	374000
Ethane	<5	<5	<5
TGNMO	12.0	12.1	8.58
Hydrogen sulfide	<0.1	<0.1	1.38
	(Concentration in ppbv)		
Benzene	3.92	4.20	1.75
Benzyl chloride	<1.4	<1.4	<1.4
Chlorobenzene	<1.4	<1.4	<1.4
Dichlorobenzenes*	2.90	3.69	3.56
1,1-dichloroethane	<1.4	<1.4	<1.4
1,2-dichloroethane	<1.4	<1.4	<1.4
1,1-dichloroethylene	<1.4	<1.4	<1.4
Dichloromethane	<2	<2	<2
1,2-dibromoethane	<1	<1	<1
Perchloroethylene	<1	<1	<1
Carbon tetrachloride	<1.4	<1.4	<1.4
Toluene	1.99	2.71	2.34
1,1,1-trichloroethane	<1	<1	<1
Trichloroethene	<1	<1	<1
Chloroform	<1	<1	<1
Vinyl chloride	<1	<1	<1
m+p-xylenes	1.52	1.57	<1.4
o-xylene	<1.4	<1.4	<1.4

Methane was measured by thermal conductivity detection/gas chromatography (TCD/GC), EPA Method 3C. Ethane, and total gaseous non-methane organics (TGNMO) were measured by flame ionization detection/ total combustion analysis (FID/TCA) Method 25.

Ethane is reported as ppmvC.

TGNMO is total gaseous non-methane, non-ethane organics reported as ppmvC.

** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Sunshine Canyon
Date Received: September 28, 2018
Date Analyzed: September 28 & 29, 2018

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	P 205R-C	19000	19000	19000	0.0
Ethane	P 205R-C	<5	<5	---	---
TGNMO	P 205R-C	11.9	12.1	12.0	0.83
Hydrogen sulfide	P 205R-C	<0.1	<0.1	---	---
	P 205R-E	1.36	1.39	1.38	1.1
		(Concentration in ppbv)			
Benzene	P 205R-C	3.88	3.95	3.92	0.89
Benzyl chloride	P 205R-C	<1.4	<1.4	---	---
Chlorobenzene	P 205R-C	<1.4	<1.4	---	---
Dichlorobenzenes	P 205R-C	2.90	2.90	2.90	0.0
1,1-dichloroethane	P 205R-C	<1.4	<1.4	---	---
1,2-dichloroethane	P 205R-C	<1.4	<1.4	---	---
1,1-dichloroethylene	P 205R-C	<1.4	<1.4	---	---
Dichloromethane	P 205R-C	<2	<2	---	---
1,2-dibromoethane	P 205R-C	<1	<1	---	---
Perchloroethene	P 205R-C	<1	<1	---	---
Carbon tetrachloride	P 205R-C	<1.4	<1.4	---	---
Toluene	P 205R-C	2.02	1.96	1.99	1.5
1,1,1-trichloroethane	P 205R-C	<1	<1	---	---
Trichloroethene	P 205R-C	<1	<1	---	---
Chloroform	P 205R-C	<1	<1	---	---
Vinyl chloride	P 205R-C	<1	<1	---	---
m+p-xylenes	P 205R-C	1.52	1.52	1.52	0.0
o-xylene	P 205R-C	<1.4	<1.4	---	---

Three Tedlar bag samples, laboratory numbers 12718-(8-10), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 7 repeat measurements from two Tedlar bag samples is 0.62%.

CHAIN OF CUSTODY RECORD

SCS FIELD SERVICES

9383 Charles Smith Avenue
Rancho Cucamonga, CA 91730
Office 909-373-2508 Fax 909-373-2518

TOTAL NUMBER OF SAMPLES: 3

PAGE 1 OF 1

TURNAROUND TIME REQUIRED: ☒ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other

PROJECT NUMBER: 07218035.00

PROJECT MANAGER: RAY AL AYASS

PROJECT NAME: SUNSHINE CANYON LANDFILL

W.O. / S.O. #:

PROJECT LOCATION: SYLMAR, CA

SAMPLER NAME AND SIGNATURE:

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TOC	TAC	H2S	CH4	CO2	ETHANE	TNMOC			LAB USE ONLY
12718 -8	PROBE 205R-C	AIR	9-27-18 @ 13:05 HRS	10 L TEDLAR	NONE		X	X	X	X	X	X	X			
-9																
-10	PROBE 205R-D	AIR	9-27-18 @ 13:15 HRS	10 L TEDLAR	NONE		X	X	X	X	X	X	X			
	PROBE 205R-E	AIR	9-27-18 @ 13:20 HRS	10 L TEDLAR	NONE		X	X	X	X	X	X	X			

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY:	DATE:
COMPANY: SCS	TIME: 1017	COMPANY:	TIME: 1012	COMPANY:	TIME:	COMPANY:	TIME: 1152

FORM NO. 107 REV. 3/14 TWIN CONCEPTS

ATTACHMENT D

DOGGR WELL RECORDS

PROPERTY/WELL TRANSFER OR ACQUISTION

TEXACO E. & P. INC. – T1600

TO

CHEVRONTEXACO EXPL. & PROD., CO. – C5680

TRANSFER EFFECTIVE AUGUST 22, 2002

CHEVRONTEXACO EXPL. & PROD., CO. – C5680

TO

CHEVRON U.S.A. INC. – C5640

TRANSFER EFFECTIVE JULY 11, 2005

ESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND RE-ABANDONMENT

Ventura, California

July 8, 1997

Cheryl S. Grayson
Grayson Services, Inc.
4004 S. Enos Lane
Bakersfield, CA 93312

Your report of the plugging and re-abandonment of well Texaco, Inc. "Eadie" 1,

A.P.I. No. 037-06077, Section 23, T. 3N, R. 16W, SBB.& M.,

---------- field, Los Angeles County,

dated June 23, 1997, received June 25, 1997, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

tkc

cc: Update

Modified OG159 (4/94)

OPERATOR Texaco
WELL NO. "Eadie" 1
MAP

A.P.I. 037-06077
SECTION 23, T. 3 N, R. 16 W

INTENTION	Suppl Abd.	Suppl Abd.	Suppl Abd.			
NOTICE DATED	—	9-16-93	6-2-97			
P-REPORT NUMBER	292.06F	293.349	[illegible]			
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL			NDD *			

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	3-6-92		9-20-93		6-11-97							
HISTORY					6-25-97							
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS			✓			
OPERATOR'S NAME			✓			
WELL NO.			✓			
LOC & ELEV			✓			
SIGNATURE			OK ✓			
SURFACE INSP.						
DRILL CARD						
RECORD'S COMPLETE			SF			

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS: * COORDINATES NOT COMPATABLE WITH MAP GRID.

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T297-129

Report on Operations

Cheryl S. Grayson
GRAYSON SERVICES, INC.
4004 S. Enos Lane
Bakersfield, CA 93312

Ventura, California
July 8, 1997

Texaco, Inc.

Your operations at well "Eadie" 1, API No. 037-06077, Sec. 23, T. 3N, R. 16W, S.B. B.&M. ---------- Field, in Los Angeles County, were witnessed on 6-10-97. Steve Mulqueen, representative of the supervisor, was present from 1000 to 1200. There were also present Bob Grayson, Jr.

Present condition of well: 11 3/4" cem 500'. TD 8011'. Plugged w/ cem 850'-766', 530'-400' & 200'-5'.

The operations were performed for the purpose of re-abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

tkc

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CEMENTING/PLUGGING MEMO

5 T129

Texaco, Inc.

Operator GRAYSON SERVICES, INC. Well No. "Eddie" 1

API No. 037 - 06077 Sec. 23, T. 3N, R. 16W, SB B&M

Field —, County LOS ANGELES. On 6 - 10 - 97,

Mr. ~~Mrs.~~ STEVE MULQUEEN, representative of the supervisor, was present from 1000 to 1200.

There were also present BOB GRAYSON, JR.

Casing record of well: 11 3/4" cem 500'. TD 8011. Plugged w/ cem 850' - 766', 530' - 400' & 200' - 5'.

The operations were performed for the purpose of RE- ABANDONMENT

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' are approved.

Hole size: _____" fr. _____' to _____'; _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';

_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
CLAY GEL (OLD THICK MUD)	6-9-97	—			CIRCULATED TO SURFACE	SPM

CLEAN OUT TO 205'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
6-9-97	140 cf	TBG @ 200'	1500	SPM	5'	VISUAL	6/10 1100	SPM

OGD10 (11/93/GSR1/5M)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator Grayson Service Inc. Field Newhall County Los Angeles
Well Eadie #1, Sec. 23, T 3N, R 16W, MD B. & M.
A.P.I. No. 037-06077 Name Bob Grayson (Person submitting report) Title V. Pres. (President, Secretary, or Agent)
Date 6/23/97, 19

Signature Bob Grayson

4004 S. Enos Lane Bakersfield, Calif. 93312 (Address) (805) 589-5444 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
6/6/97	(Make Location) M.I.R.U. Installed well head and B.O.P.E. Drilled with 6" bit 2'to 12' in cement, broke thru cement. Cleaned out mud 12' to 40'. P.O.H. Changed out to 9 7/8" bit. Clean out to 40'. Closed well in.
6/9/97	R.I.H. and clean out to 205'. Circulated with water. Drill pipe @ 200'. Mix and pump 140 cubic feet of neat cement with returns to surface.
6/10/97	Cut off casing @ 5' Weld on steel plate and back fill.

RECEIVED
JUN 25 1997
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Kenyon Engineering, Inc.
ENGINEERING • PLANNING • SURVEYING
12138 INDUSTRIAL BLVD., SUITE 240
VICTORVILLE, CA 92392
(619) 241-6146
FAX: (619) 241-0566

June 12, 1997

BROWNING FERRIS INDUSTRIES
ATTN: BRAD COOLEY
14747 San Fernando Road
Sylmar, CA 91342

RE: OIL WELLS

Dear Brad:

Pursuant to our conversation here are the coordinates and elevations for the capped oil wells.

OIL WELL IN NORTH CANYON	PADUA # 1
N 33534.11	
E 32508.41	
EL 1686.10	

OIL WELL AT TOP OF CUT	EADIE # 1
N 33093.26	
E 29181.64	
EL 2132.46	

If you should have any questions pertaining to the above please feel free to contact our office.

Thank you!

Sincerely,
KENYON ENGINEERING, INC.

Craig L. Johnson
Project Manager

CLJ:cb

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P297-226

PERMIT TO CONDUCT WELL OPERATIONS

---- (field code)
--- (area code)
--- (new pool code)
--- (old pool code)

Cheryl S. Grayson
Grayson Services, Inc.
4004 S. Enos Lane
Bakersfield, CA. 93312

Ventura, California
June 13, 1997

Your supplementary proposal to abandon well "Eadie" 1 Texaco Inc.,
A.P.I. No. 037-06077, Section 23, T. 3N, R. 16W, S.B. B.&M.,
---------- field, ---------- area, ---------- pool,
Los Angeles County, dated 6/2/97, received 6/11/97, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness cementing operations.

SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

SUPPLEMENTARY NOTICE

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL
	OGD114	OGD121	FILE
		✓	

A notice to the Division of Oil and Gas dated FEB 28, 19 92, stating the intention to

ABANDON (Drill, rework, abandon) well TEXACO INC. EADIE #1 (Well designation), API No. 037-06077,

Sec. 23, T. 3N, R. 16W, ____ B.& M., NEWHALL Field,

LOS ANGELES County, should be amended because of changed conditions.

1. The complete casing record of the well (present hole), including plugs and perforations, is as follows:

11 3/4" CASING TO 500'

PLUGGED WITH CEMENT 850'-766', 530'-400', 15'-5'

2. The total depth is: 8011 feet. The effective depth is: _____ feet.

3. Present completion zone (s): _____ (Name). Anticipated completion zone (s): _____ (Name).

4. Present zone pressure: _____ psi. Anticipated/existing new zone pressure: _____ psi.

We now propose: *(A complete program is preferred and may be attached.)*

1. M.I.R.U.
2. DRILL OUT SURFACE PLUG FROM 15'-5'.
3. PLUG WITH CEMENT FROM 200' TO SURFACE.
4. WELD ON STEEL PLATE.

RECEIVED
JUN 11 1997
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Note: If the well is to be redrilled, show proposed bottom-hole coordinates and estimated true vertical depth.
The Division must be notified if changes to this plan become necessary.

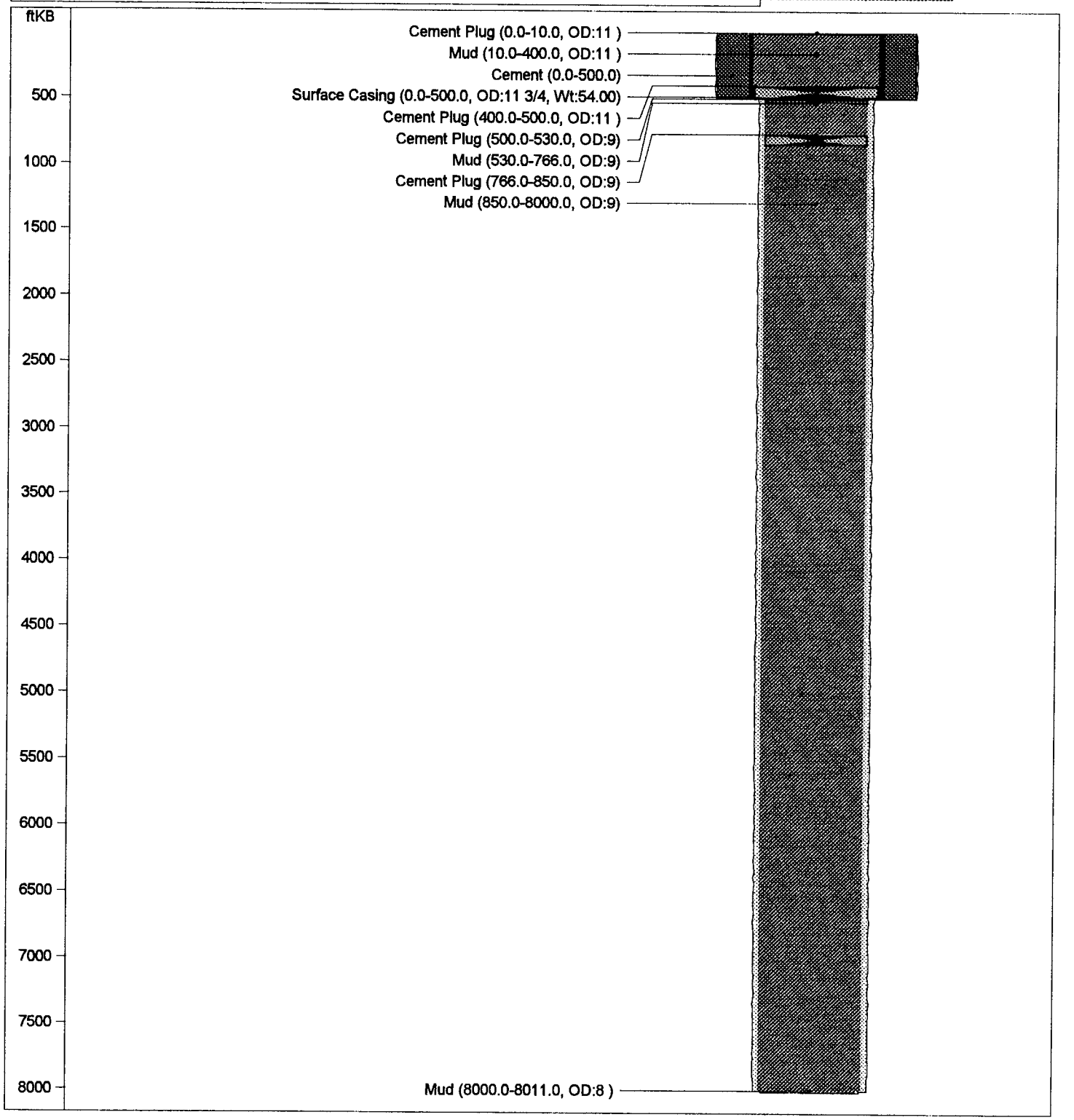
Name of Operator	Telephone Number	
GRAYSON SERVICE INC.	(805) 399-6300	
Address	City	Zip Code
4004 S. ENOS LANE	BAKERSFIELD	93312
Name of Person Filing Notice	Signature	Date
BOB GRAYSON	Bob Grayson	6-2-97

File In Duplicate

OG123 (3/90/GSR1/5M)

04037060770000	
Well Name	EADIE 1
Operator	TEXACO E & P INC
Field Name	ANY FIELD
TD	8011.0 ftKB
PBTD	0.0 ftKB
Approval Date	22-Jul-53
Spud Date	16-Aug-53
TD Date	13-Nov-53
Production Date	
Injection Date	
P/A Date	13-Nov-53

Division of Oil & Gas Conservation



6/2/97

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

REPORT OF CORRECTION OR CANCELLATION

Ventura, California

October 24, 1996

Brand Burfield
PRA Group
2495 Industrial Parkway West
Hayward, CA 94545

In accordance with Division 3 of the Public Resources Code, Section 3202 - If operations have not commenced within one year of receipt of the notice, the notice will be considered canceled.

the following changes pertaining to your well Texaco Inc. "Eadie" 1 (Well Designation)
---------- field, Los Angeles County,

Sec. 23, T. 3N, R. 16W, S.B. B.&M., is being made in our records:

__ The corrected location is _____

_____

__ The corrected elevation _____

__ Report No. _____, dated _____, has been corrected as follows:

_____

_____

_____

XX Your notice to abandon (Drill, abandon, etc.) dated September 16, 1993 and our report No. P293-349 issued in answer thereto, are hereby canceled inasmuch as the work will not be done. If you have a drilling bond on file covering this notice it will be returned. No request for such return is necessary.

__ Other: _____

_____

_____

tkc

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

OG165 (Modified 6/94)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

WELL STATUS INQUIRY

Ventura, California

September 28, 1994

Brand Burfield
PRA Group
2495 Industrial Parkway West
Hayward, CA 94545

In a notice dated September 16, 1993, you propose to abandon well Texaco, Inc. "Eadie" 1 (037-06077) Sec. 23, T. 3N, R. 16W, S.B. B. & M., Los Angeles County.

Please indicate below, conditions or intentions regarding this proposed work and return the completed form to this office within 10 days.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

_____ **PROPOSED WORK HAS BEEN DONE.** (If you check this space, please file the required well records on this work in duplicate within 60 days after work was completed.*)

_____ **PROPOSED WORK IS IN PROGRESS AND SHOULD BE COMPLETED ABOUT** _____ 19___

_____ **PROPOSED WORK HAS NOT BEEN DONE, BUT WE STILL INTEND TO DO THE WORK.****

____ **SUPPLEMENTARY NOTICE (Form OG 123) Attached).**

____ **PLEASE CONSIDER THIS FORM AS A SUPPLEMENTARY NOTICE.**

_____ **WE DO NOT INTEND TO DO THE PROPOSED WORK. Please cancel our notice to** _____, dated _____ 19___.

_____ **OTHER:** _____

_____
(Signature)

_____
(Name and Title) (Date)

* Division 3 of the Public Resources Code states in part:
Section 3215...Well records shall be filed 60 days after completion or suspension of proposed work.

** Section 3203...If operations have not commenced within one year or receipt of the notice, the notice will be considered canceled. (To prevent cancellation, file a Supplementary Notice with the division)

ODG3 (modified 9/93)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P293-349

PERMIT TO CONDUCT WELL OPERATIONS

--
(field code)
--
(area code)
--
(new pool code)

(old pool code)

Brand Burfield
PRA GROUP
2495 Industrial Parkway West
Hayward, CA. 94545

Ventura, California
September 22, 1993

Your supplementary proposal to abandon well Texaco, Inc. "Eadie" 1, A.P.I. No. 037-06077, Section 23, T. 3N, R. 16W, S.B. B.&M., --- field, --- area, --- pool, Los Angeles County, dated 9/16/93, received 9/20/93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Requirements specified in permit No. P292-068, dated March 11, 1992 shall apply.

cc: Texaco, Inc.

NO BOND REQUIRED

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

344

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
WELL STATUS INQUIRY

Ventura, California

September 14, 1993

Brand Burfield
PRA GROUP
2495 Industrial Parkway West
Hayward, CA. 94545

In a notice not dated, you propose to reabandon
Texaco E&P Inc. "Edie" 1 (037-06077) Sec. 23, T. 3N, R. 16W, S.B. B.& M.,
Los Angeles County.

Please indicate below, conditions or intentions regarding this proposed work and return the completed form to this office within 10 days.

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

_____ **PROPOSED WORK HAS BEEN DONE.** (If you check this space, please file the required well records on this work in duplicate within 60 days after work was completed.*)

_____ **PROPOSED WORK IS IN PROGRESS AND SHOULD BE COMPLETED ABOUT** _____ 19___

_X_ **PROPOSED WORK HAS NOT BEEN DONE, BUT WE STILL INTEND TO DO THE WORK.****

___ **SUPPLEMENTARY NOTICE (Form OG 123) Attached).**

_X_ **PLEASE CONSIDER THIS FORM AS A SUPPLEMENTARY NOTICE.**

_____ **WE DO NOT INTEND TO DO THE PROPOSED WORK. Please cancel our notice to** _____, dated _____ 19___.

_____ **OTHER:** _____

(Signature)

BRAND BURFIELD - STAFF GEOLOGIST 9/16/93
(Name and Title)

DIVISION OF OIL AND GAS
RECEIVED
SEP 20 1993
VENTURA, CALIFORNIA

* Division 3 of the Public Resources Code states in part:
Section 3215...Well records shall be filed 60 days after completion or suspension of proposed work.

** Section 3203...If operations have not commenced within one year or receipt of the notice, the notice will be considered canceled.
(To prevent cancellation, file a Supplementary Notice with the division)

ODG3 (modified 9/93)

PRA Group
CONSULTING ENGINEERS

No. GB-100/G202-07
September 17, 1993

State of California-Resources Agency
Department of Conservation
Division of Oil and Gas
1000 S. Hill Road, Ste. 116
Ventura, CA 93003-4458

Attention: Mr. Steve Fields

SUBJECT: Transmittal of Well Status Inquiry Forms for Proposed Oil Well Abandonment at the Sunshine Canyon Sanitary Landfill, Sylmar, California.

Dear Mr. Fields:

We have received the Well Status Inquiry forms sent to us by your office, dated September 14, 1993. It is still our intention to abandon the oil wells prior to construction of the proposed landfill expansion at the subject site. Due to unforeseen delays in the construction schedule, it has been necessary to postpone the proposed oil well abandonment program. Enclosed with this letter are the completed well status inquiry forms for the proposed oil well abandonment at the subject site. We will notify you as soon as a tentative schedule for well abandonment is set up.

Thank you for your consideration. If you have any questions, please contact this office.

Very truly yours,

THE PRA GROUP, INC.

Brand W. Burfield
Staff Geologist

Irving D. Affeldt
Principal

bwb/G20207.1

enclosures: Well Status Inquiry forms (10 total)

DIVISION OF OIL AND GAS
RECEIVED
SEP 2 [illegible]
VENTURA, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-068
Field Code --
Area Code --
New Pool Code --
Old Pool Code --

PERMIT TO CONDUCT WELL OPERATIONS

PRA GROUP, CONSUL. ENGINEERS
2495 Industrial Parkway West
Hayward, California 94545

Ventura, California
March 11, 1992

Your supplementary proposal to abandon well TEPI/"Eadie" 1,
A.P.I. No. 037-06077, Section 23, T. 3N, R. 16W, S.B. B.&M.,
---------- field, ---------- area, ---------- pool,
Los Angeles County, dated -----, received 3/6/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class I 1M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. This office shall be consulted before deviating from the proposed abandonment program.
4. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the placing of the surface plug or to verify its location.

NOTE: Please have well surveyed by a licensed surveyor and submit results to this office.

SF:tkc
cc: Texaco E. & P. Inc.

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

SUPPLEMENTARY NOTICE

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL
	OGD114	OGD121	FILE
		✓	✓

A notice to the Division of Oil and Gas dated February 28th, 19 92, stating the intention to

abandon (Drill, rework, abandon) well "Eadie" #1 (Well designation), API No. 037-06077,

Sec. 23, T. 3 N, R. 16 W, S.B. B.&M., ~~Newhall~~ Los Angeles Sp. Field,

Los Angeles County, should be amended because of changed conditions.

1. The complete casing record of the well (present hole), including plugs and perforations, is as follows:

11-3/4" casing to 500'.
Plugged with cement from 850'-766', 530'-400', and 15'-5'.

2. The total depth is: 8011 feet. The effective depth is: _____ feet.

3. Present completion zone (s): _____ (Name) Anticipated completion zone (s): _____ (Name).

4. Present zone pressure: _____ psi. Anticipated/existing new zone pressure: _____ psi.

We now propose: *(A complete program is preferred and may be attached.)*

The proposed work program is attached to this permit.

DIVISION OF OIL AND GAS
RECEIVED
MAR 06 1992
VENTURA, CALIFORNIA

Note: If the well is to be redrilled, show proposed bottom-hole coordinates and estimated true vertical depth.
The Division must be notified if changes to this plan become necessary.

Name of Operator	Telephone Number	
PRA Group	(510) 732-9890	
Address	City	Zip Code
2495 Industrial Parkway West	Hayward	94545
Name of Person Filing Notice	Signature	Date

File In Duplicate

OG123 (3/90/GSR1/5M)

No. GB-100/G102-23
February 28, 1992

Proposed Work Program

1. Locate oil wells.

2. Drill out existing surface seal and drilling mud from each oil well casing to a depth of approximately 60 feet below existing grade.

3. Reabandon each oil well by installing a new surface seal of tremied cement grout into the upper 60 feet of each oil well casing.

PRA Group
CONSULTING ENGINEERS

No. GB-100/G102-23
February 28, 1992

Department Of Conservation
Division Of Oil And Gas
1000 S. Hill Road, Suite 116
Ventura, CA 93003-4468

Attention: Mr. Steve Fields

SUBJECT: Confirmation of Telephone Conversation Regarding Abandonment of Oil Wells at the Proposed Sunshine Canyon Sanitary Landfill County Extension, Los Angeles County, California.

Dear Mr. Fields:

With regards to our telephone conversation of February 7, 1992, I would like to confirm in writing our discussion regarding the procedure to be followed during oil well abandonment. Construction is scheduled to begin at the landfill extension site very soon and it is important to us that our oil well abandonment program run as smoothly as possible.

It is our understanding that the current standards for the abandonment of oil wells approved by the Division of Oil and Gas (DOG) state that the well must have neat cement grout seals across the producing interval, the saltwater/freshwater interface (if applicable), and at the surface. During our phone conversation, we also discussed the available DOG abandonment records and concluded that six of the eight wells at the subject site (Newhall Field, well nos. 53, 54, 55, 56, 57 and 61) were abandoned to current DOG standards. The abandonment records for the other two wells (Newhall Field, well nos. 59 and 63) are incomplete.

It is proposed to replace the existing surface seals in all of the oil wells with new seals deep enough not to be undercut by the proposed earthwork. In our conversation, I confirmed that it would be acceptable to the DOG if the well casing was drilled out to a depth of 60 feet below grade and a new neat cement surface seal was installed. It is our understanding that it will not be necessary for DOG personnel to perform leak testing since our plan is to replace the surface seals.

Enclosed with this letter are permit applications for the proposed work at the subject site. Thank you for your prompt consideration. If you have any questions, please contact this office.

Very truly yours,

THE PRA GROUP, INC.

Brand Burfield
Staff Geologist

Irving D. Affeldt, CEG 1108
Principal

bwb/G10223.DOG

enclosures: Permit applications for oil well abandonment

FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Los Angeles 15, California, January 27, 1954

Mr R L Jackson
The Texas Co
P O Box 320
Long Beach 1 California

Dear Sir

Your report of abandonment of Well No. "Radie" 1, Sec. 23, T. 3 N, R. 16 W, S B B. & M., Newhall oil field, Los Angeles County, dated December 16, 1953, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

MAP	MAP BOOK	CARD	BOND	FORMS
18A gcla	gcla			

Yours truly

R. D. BUSH
State Oil and Gas Supervisor

By R. J. Mahoney
Deputy Supervisor

cc Mr R D Bush
Company
Conservation Committee
orig Mr R F Cory

es

82601 7-53 6700 SPO

FORM 100. 7-48
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE
FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

DIVISION OF OIL AND GAS
RECEIVED
JAN 7 1954
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator The Texas Company Field (Weldon Canyon) Rincon

Well No. Eadie #1 Sec. 23, T. 3N, R. 16W, S.B. B. & M.

Location 2425.28' S along Sec. line and 1482.21' W at rt. angles to said line from the NE cor. of Sec. 23, T3N, R16W, SBB&M

Elevation above sea level 2137.1 feet.

All depth measurements taken from top of Kelly Bushing which is 11.5 feet above ground.

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date December 16, 1953

Signed [signature]

[signature] (Engineer or Geologist)

R. L. Fabton (Superintendent)

Title Superintendent (President, Secretary or Agent)

Commenced drilling 8-16-53 Completed drilling 11-13-53 Drilling tools Cable Rotary

Total depth 8011' Plugged depth 0

Junk

GEOLOGICAL MARKERS — DEPTH

Commenced producing Abandoned (date) Flowing/gas lift/pumping (cross out unnecessary words)

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production						
Production after 30 days						

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
11 3/4"	500'	surf	54#	New	Smls	J-55	17 1/2	450	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 500' to 8011' (Attach Copy of Log)

FORM 103.
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 7 1954
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR The Texas Company FIELD Weldon Canyon

Well No. Eadie #1, Sec. 23, T. 3N, R. 16W, S.B. B. & M.

Signed

Date December 16, 1953 Title Superintendent
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. **Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production.** Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date

1953

DRILLING CONTRACTOR - FOWLER DRILLING CO.

8-16 Spudded in at 11:00 P.M. in 11" hole.

8-17 Lost circulation at 114', regained circulation at 130'. Drilled ahead with partial circulation.

8-18 Drilled 11" hole to 496' opened 11" hole to 17½" from 0 to 267'. Lost circulation at 175'. Mixed lost circulation material and regained circulation at 205'.

8-19 Opened hole to 17½" to 496' and drilled to 500'. Ran 12 joints, 11¾", 54#, casing, 503' overall including Baker Float shoe. Cemented at 500 K.B. with 450 sacks Construction cement mixed with 3% gel. Used 1 top rubber plug. Displaced with 322 cu. ft. of mud. Did not bump plug. No cement return to surface. Cement in place at 11:15 P.M. B. J. Equipment.

8-20 Cement set 2 hours. Ran 200 feet of 2" pipe on outside of the casing to top of cement. Pumped in 80 sacks cement. Set 2 hours then pumped in 70 sacks. Got cement returns to surface. In place 4:30 A.M.

8-22 Installed blowout prevention equipment and tested at 1500 psi. Drilled 9-7/8" hole ahead. Mud weight, 73; viscosity, 43; sand, 2%; water loss, 9 cc.

8-25 Drilled 9-7/8" hole to 1446'. Cored with 8⅜" core barrel from 1446 to 1462'. Recovered 3'. Drilled 8½" hole to 1568'.

8-26 Opened 8½" hole to 9-7/8" from 1446' to 1568' and drilled to 1900'.

8-27 Circulated and conditioned mud for electric log. Drilled 9-7/8" hole ahead to 2075'.

8-29 Cored 8½" hole from 2075' to 2166'. Mud weight, 76; viscosity, 48; sand, 1.5%; water loss 4.5 cc.

9-1 Drilled 8½" hole to 2435', cored 8½" hole from 2435' to 2455' then drilled 8½" hole ahead to 2604'.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

The Texas Company — Weldon Dungan

Media #1 — 29 — 7N — 26W

December 15, 1953 — Superintendent

DRILLING CONTRACTOR - FOWLER DRILLING CO.

1953

8-16 Spudded in at 11:00 P.M. in 12" hole.

8-17 Lost circulation at 114', regained circulation at 130'. Drilled ahead with partial circulation.

8-18 Drilled 12" hole to 496', opened 12" hole to 17¼" from 0 to 267'. Lost circulation at 175'. Mixed lost circulation material and regained circulation at 205'.

8-19 Opened hole to 17¼" to 490' and drilled to 500'. Ran 17 joints, 11¾", 38# casing, 503' overall including Baker float shoe. Cemented at 500 R.B. with 450 sacks Construction cement mixed with 2% gel. Used 1 top rubber plug. Displaced with 122 cu.ft. of mud. Did not bump plug. No cement return to surface. Cement in place at 11:15 P.M. B. J. equipment.

8-20 Cement set 8 hours. Ran 200 feet of 2" pipe on outside of the casing to top of cement. Pumped in 50 sacks cement. Set 2 hours then pumped in 70 sacks. Got cement returns to surface. In place 4:30 A.M.

8-22 Installed blowout prevention equipment and tested at 1500 psi. Drilled 9-7/8" hole ahead. Mud weight, 73; viscosity, 45; sand, 2%; water loss, 9 cc.

8-25 Drilled 9-7/8" hole to 1416'. Cored with 8½" core barrel from 1416 to 1462'. Recovered 3'. Drilled 8½" hole to 1560'.

8-26 Opened 8½" hole to 9-7/8" from 1416' to 1560' and drilled to 1900'.

8-27 Circulated and conditioned mud for electric logs. Drilled 9-7/8" hole ahead to 2075'.

8-29 Cored 8½" hole from 2075' to 2105'. Mud weight, 74; viscosity, 45; sand, 1.5%; water loss 4.5 cc.

9-? Drilled 8½" hole to 2105', cored 8½" hole from 2105' to 2125', then drilled 8½" hole ahead to 2604'.

The Texas Company

Radio #2

(Weldon Canyon)

Section 23, T3S-R16W

9-2 Opened 6½" hole to 9-7/8" from 2075' to 2298'. Ran electric log.

9-4 Drilled 9-7/8" hole to 2806' changed to 8½" Reed core barrel and cored ahead to 2882'.

9-5 Ran electric log and hole caliper. Mud weight, 77; viscosity, 45; sand, ½" water loss 4 cc.
Ran DST #1. Set packer at 2815' tail to 2882'. Medium blow for 1 hour. Gas in 15 minutes. Recovered 310' of gassy thin mud. Salinity 3020 ppm. B.I.F.P. 200 psi B.H.S.I.P. 200 psi.

9-6 Opened 6½" hole to 9-7/8" from 2806' to 2882' and drilled to 2950', changed to 8½" Reed corehead and cored from 2950' to 3005'.

9-7 Ran electric log and hole caliper.
Ran H.F.F. #2, set packer 2955' tail to 3005'. Open 75 minutes, medium blow declined steadily. Gas in 25 minutes. Recovered 1750' of gassy muddy water. Salinity 1110 ppm. B.H.F.P. 900 psi B.H.S.I.P. 880 psi, incomplete build up.

9-9 Opened 6½" hole to 9-7/8" from 2950' to 3005'.

9-11 Drilled 9-7/8" hole to 3490' changed to 8½" Reed corehead and cored from 3490' to 3523' changed to 9-7/8" bit and drilled ahead.

9-12 Mud weight, 79; viscosity, 43; sand, 3%; water loss, 6 cc.

9-15 Drilled 9-7/8" hole to 3856' changed to 8½" corebarrel and cored to 3873' changed to 9-7/8" bit and drilled ahead.

9-19 Mud weight, 81; viscosity, 45; sand, 3%; water loss, 6.4 cc.

9-22 Cored 9-7/8" hole from 4643' to 4653'.

9-26 Mud weight, 81; viscosity, 48; sand, 4%; water loss, 7 cc.

9-27 Reamed from 5286' to 5316'.

9-30 Drilled to 5526' and cored 9-7/8" hole from 5525' to 5544'.

10-3 Mud weight, 81; viscosity, 48; sand, 4%; water loss 6 cc.

10-4 Drilled to 6054', cored from 6054' to 6073' in 9-7/8" hole.

10-10 Drilled 9-7/8" hole to 6508'. Cored from 6508' to 6514' in 9-7/8" hole. Mud weight, 82; viscosity, 45; sand, 4%; water loss, 6 cc.

10-13 Drilled to 6660', cored 9-7/8" hole from 6660' to 6668', drilled ahead in 9-7/8" hole.

10-17 Mud weight, 82; viscosity, 46; sand, 4%; water loss, 7 cc.

10-18 Cored from 6990' to 7000' with 9-7/8" bit. Ran Schlumberger electric log, side wall sampler and dip meter.

10-19 Drilled 8-1/2" hole to 7042' opened hole to 9-7/8" from 7000' to 7042'.

10-24 Mud weight, 82; viscosity, 47; sand, 2%; water loss, 6 cc. Drilled 9-7/8" hole to 7367'.

10-28 Drilled 9-7/8" hole to 7606'.

10-29 Cleaned out 50' cavings. Hole filling with fractured shale. Raised mud weight to 90# per cu. ft.

10-31 Drilled 9-7/8" hole to 7716'. Tight hole from 7600' to 7500'. Pulled up to 5000' to circulate and lost circulation. Ran in hole and circulated at intervals, lowered mud weight from 88 to 80 lbs per cu. ft. Regained circulation. Shale running at 7200' to 7400'. Lowered water loss of the mud.

11-1 Reamed from 7290' to 7450'. Tried to stop shale from coming in 7430' to 7450'. Mud weight, 80; viscosity, 62; sand, 2%; water loss, 5 cc. Changed to emulsion type mud.

11-2 Conditioned hole, shale running. Mud weight 80#; viscosity 65 to 90 seconds, sand 2%; water loss 3.3 cc in 30 minutes.

11-3 Conditioned mud and hole. Shale stopped running. Mud weight 80 to 81#; viscosity 80 to 95 seconds; sand, 2%; water loss 2.0 cc in 30 minutes.

11-4 Drilled 9-7/8" hole ahead.

11-7 Drilled 9-7/8" hole to 7879'. Ran Schlumberger electric log and side wall sampler. Sidewall sampler stuck at 2009'. Ran socket as drill pipe and released sampler.

11-8 Drilled 9-7/8" hole to 7905'. Cored 8½" hole from 7905' to 7913'. Mud weight, 80; viscosity, 115; sand, 2%; water loss, 3 cc.

11-9 Cored from 7913' to 7923'. Opened 8½" rat hole to 9-7/8" from 7905' to 7923'.

11-11 Drilled 9-7/8" hole to 8000' changed to 8½" corehead and cored from 8000' to 8011'.

11-12 Ran Schlumberger electric log. Hung 4½" drill pipe at 850'. Pumped in 75 sacks Construction cement with 2% calcium chloride. Cement in place 11:10 A.M. Cement set 6 hours. Top of plug 766'. Approved by D.O.G. Plug job #2: Hung pipe at 530'. Pumped in 75 sacks cement. In place at 8:00 P.M.

11-13 Located top of plug #2 at 400'. Placed 10 lineal feet of cement in 11¾" casing at surface and welded on steel plate. Rig released at 9:00 A.M.
Well abandoned.

The Texas Company

Eagle #2

Golden Canyon

Section 23 T3N R6W

DIVISION OF OIL AND GAS
RECEIVED
JAN 7 1954
LOS ANGELES, CALIFORNIA

INCLINATIONS

Depth	Degrees of Drift
100'	0 degrees 30 minutes
249'	0 degrees 45 minutes
400'	¼ degree
596'	¼ degree 30 minutes
696'	¼ degree 30 minutes
790'	¼ degree 15 minutes
850'	¼ degree
1010'	¼ degree 15 minutes
1090'	0 degrees 45 minutes
1230'	¼ degree 30 minutes
1300'	¼ degree
1396'	¼ degree 45 minutes
1477'	¼ degree 30 minutes
1568'	¼ degree 15 minutes
1650'	¼ degree
1750'	1 degree 30 minutes
1840'	2 degrees 15 minutes
1900'	2 degrees 15 minutes
1990'	2 degrees 15 minutes
2173'	2 degrees
2257'	2 degrees 30 minutes
2324'	2½ degrees
2421'	2 degrees 30 minutes
2520'	2 degrees 30 minutes
2604'	2 degrees 45 minutes
2720'	2 degrees 30 minutes
2806'	2½ degrees
2930'	2 degrees
3022'	2½ degrees
3102'	2½ degrees
3220'	¼ degree 45 minutes
3265'	50 minutes
3313'	½ degree
3428'	¼ degree 15 minutes
3497'	¼ degree 30 minutes
3560'	½ degree
3652'	¼ degree 15 minutes
3745'	¼ degree 15 minutes
3960'	½ degree
4050'	½ degree
4232'	¼ degree 0 minutes
4268'	¼ degree 15 minutes
4502'	½ degree
4596'	50 minutes
4719'	0 degrees 45 minutes

Depth	Degrees of Drift
4928'	½ degree
5018'	0 degrees 30 minutes
5260'	0 degrees 45 minutes
5357'	1 degree
5450'	1 degree 45 minutes
5570'	1 degree 45 minutes
5698'	1 degree 30 minutes
5819'	1 degree 45 minutes
5911'	½ degree
6000'	2 degrees 15 minutes
6284'	4 degrees 15 minutes
6322'	5 degrees 45 minutes
6384'	4 degrees
6437'	5 degrees 45 minutes
6514'	½ degrees
6564'	3 degrees
6615'	3 degrees
6660'	3½ degrees
6826'	2 degrees 40 minutes
6939'	2½ degrees
6990'	2 degrees 30 minutes
7101'	2½ degrees
7273'	2 degrees
7342'	1 degree 45 minutes
7413'	2 degrees
7567'	2 degrees

The Texas Company

Sec. #1

Weldon Canyon

Section 23-3N-16W

SCHLUMBERGER SIDE-WALL SAMPLES
Described by W. S. King
10-16-53

Depth	Recovery	
3063'	1½"	Sand, mottled tan to light green gray, firm, friable, conglomeratic, with subrounded pebbles to 1/4" diameter, matrix is coarse grained, silty, tight, patchy faint oil stain, faint odor, very patchy fluorescence, faint straw cut.
3105'	2"	Sand, light gray to tan stained, friable, fine grained, fair sorting with a rare pebbles to 1/4", silty, fair to poor porosity and permeability, mottled tan oil stain, mottled yellow fluorescence, fair odor, light amber cut.
3246'	1"	Sand, patchy light oil stain to medium gray, friable, fine to very coarse grained, poorly sorted, tight, faint odor, uneven yellow fluorescence where stained, remainder is gray, light straw cut.
3595'	1"	Sand, mottled green gray to tarnish gray, friable, appears crushed, conglomeratic with rounded pebbles to 1/4" diameter, matrix coarse grained, very poorly sorted, silty, arkosic, uneven light tan staining, spotty yellow fluorescence, faint odor, very pale straw cut.
3940'	1/2"	Sand, medium gray, badly broken and mud injected, appears conglomeratic, matrix silty and tight, no odor, no visible stain, rare spots yellow fluorescence.
3967'	1/4"	Igneous pebble with light gray coarse grained, sand along one edge. Pebble dark gray to black, very hard, common pyritization, microcrystalline. Occasional spots yellow fluorescence in sand.
4026'	1"	Sand, light gray with greenish and tan spots, friable, medium to coarse grained, with rare pebbles to 1/2" diameter and 2 2/5" stringer fine grained, silty, oil stained sand which have patchy yellow fluorescence, faint odor, remainder of core is gray.
4143'	1/2"	Sand, conglomeratic, light grey, occasional faint tan spots oil stain, friable, coarse grained with sub-rounded pebbles to 1/4" diameter, quartzose, arkosic, matrix very poorly sorted, silty, tight, no odor, patchy dull yellow fluorescence, weak spotty stain, extremely light yellow straw cut.

The Texas Company (Golden Canyon)

Eadie #1 Section 23-3S-16W

SCHLUMBERGER SIDE-WALL SAMPLES
Described by G. T. Benson
11-6-53

Depth	Rec.	
7191'	½"	Silty brown shale with occasional thin stringers of fine grained sand. Shale broken up. Sample broken up. No oil shows.
7280'	½"	Silty brown shale as at 7191' above with few chips of gray, fine grained sand with occasional medium grains. No oil shows.
7322'	½"	Gray and brown silty shale as at 7280' above. No oil shows.
7421'	1"	Brown silty shale as at 7322' above and light gray sandy shale. Sand is very fine grained. Gray shale is slightly micaceous, slickensided. No oil shows.
7520'.	Not recovered	
7500'	3/4"	Gray, slightly sand shale as at 7322' above. No oil shows.
7599'	3/4"	Gray, sandy shale as at 7500' above. One patch yellow fluorescence.
7603'	1/2"	Hard, brown-gray, sandy shale, broken up. Few patches yellow fluorescence.
7786'	1/2"	Hard, brown-gray shale as at 7603' above. One small patch yellow fluorescence.
7808'	3/4"	Gray sandy shale with occasional streaks of gray, fine grained sand. Occasional streaks yellow fluorescence.
7520'	Rec. (dat.) 3/4"	Hard, light and dark gray shale. Dark gray shale is slightly micaceous. Broken up.

Bullet with sample was recovered with cavings in Core #26.

The Texas Company

Radio #1

Weldon Canyon

Section 23-3N-16W

CORE DESCRIPTION
Described by L. B. Freeman
8-25-53

Core #1
1446-1462' Rec. 3'

2½' Oil stained sandstone, fine to medium grained, coarse, material scattered throughout, rounded to subangular, arkosic, poor to fair sorting, dirty, very silty, tight to poor porosity and permeability, massive to poorly bedded, 35° dips; sharp gassy odor, weak straw cut at top of recovery to very faint cut at base -- core looks slightly more permeable at top than at bottom, fair but even staining, weak pale yellow fluorescence.

½' Interbedded dark gray, sandy siltstone and tight oil stained sand as above in 1 - 1½" interbeds, good 30-35° dips.

Core #2
2075-2093' Rec. 14'

Described by R. H. Crivetti

8' Very fine grained silty oil sand - 1' friable then 2' hard then 5' friable, medium brown oil stained, locally clayey, tight to low porosity and permeability, massive to vaguely bedded with 45-55° dips - strong gasoline odor, even staining and gravity oil fluorescence. Dark brown cut.

3' Shale - well bedded, silty to sandy with laminae of oil saturated very fine sand, near center of interval is tight pebble conglomerate. Dips 55-57° on shale partings.

3' Very fine grained silty oil sand - firm to firm friable, fairly well bedded (dips 56°). Medium brown, well saturated, strong gasoline odor, even bright yellow (hi gravity oil) fluorescence. Grains angular. Low porosity and permeability to tight. Dark brown cuts mostly ground up in removing from core barrel as core stuck (Core washed over with water during removal).

Core #3
2093-2113' Rec. 5' 3' Described by L. B. Freeman
Interbedded oil stained sand and gray siltstone; sand is light tan, fine grained silty, quartzose, finely micaceous, fair sorting, tight due to silty character, one 4" bed of coarse grained oil stained sand, but still silty and tight, good sharp high gravity oil odor, good even staining, yellow fluorescence, fair straw cut, gas bubbles in mud sheath; interbedded shales are dark gray, finely micaceous, locally sandy, no shows in siltstone; excellent 60° dips, upper 3' is about 40% siltstone and 60% sand.

2' Siltstone, fragments of massive siltstone, dark medium gray, finely micaceous, occasionally sandy, no shows except for some free oil along fracture planes and gas bubbles in mud sheath.

Core #4
2112-31' Rec. 18' 18' Siltstone, banded dark gray and brown, predominantly well and thinly bedded, almost a "poker-chip" parting, firm, generally sandy throughout with very fine grained quartzitic sand; siltstone is interbedded with very thin beds (1/8"-1") of very fine grained tan, quartzitic oil stained sand, silty, tight, estimate total of 2½' of oil stained sand in recovery. All having good odor, fair straw cut, even staining and even yellow fluorescence; siltstone has free oil along rare fracture plane, excellent 30° dips.

Core #5
2131-2150' No Recovery

Core #6
2150-2166' Rec. 20' 20' (4' pickup from core #5 (?))
Siltstone, medium gray to brown banded, firm, well and thinly bedded, gritty throughout but very impermeable, rare thin interbed to ¼" of very fine grained light gray to tan, silty, tight quartzitic sand, occasionally a thin streak of sand is faintly oil stained having a faint odor and no cut; excellent 80-90° dips (not overturned).

Core #7
2435-55' Rec. 16' 6". Described by L. B. Freeman
Fragments of medium gray, tight, sandy siltstone, no shows, and fine grained, silty, dirty, tight, quartzitose, tan oil stained sand, good odor, cut and fluorescence.

15½' Siltstone, banded medium gray and brown in ¼" - ½" beds, well bedded, brown siltstone is finely sandy and very foraminiferal; several 1/16" laminae of very fine grained, very tight, silty, oil stained sand, faint odor, faint cut, good fluoresacence, excellent 75° dips.

Core #8
2806-2816' Rec. 9' 9' Siltstone, banded and interbedded dark medium gray and dark brown, excellent 45° dips, firm, breaks easily along bedding planes, local slickensides along bedding planes, occasionally siltstone is finely sandy, abundant forams especially in brown beds, occasional broken shell fragment and fish remain; siltstone is interbedded with thin stringers of oil stained sand generally ⅛" thick but as thick as 2", fine grained, well sorted, angular to sub-angular, firm, micaceous, fairly clean, poor permeability, fair friability, sharp high gravity oil odor, good tan staining, strong dark brown cut, even yellow fluorescence, abundant gas bubbles in mud sheath, estimate total of 1' oil stained sand in core.

Core #9
2816-2831' Rec. 7' 7' Interbedded siltstone and oil stained sand; siltstone is banded gray and brown as in Core #8, excellent 45° dips; oil stained sand is fine to medium grained, subangular, slightly silty, fair permeability, predominantly quartz with some feldspar and biotite, occasional pink and rust colored grains, occurs generally as ⅛" interbeds, maximum 2" beds, estimate total 4' sand in core, unevenly and weakly oil stained, medium gray to faintly tan where stained, faint sour gassy odor, weak spotty pale yellow fluorescense, weak straw cut, looks wet.

Core #10 2831-2851	Rec. 16'	16'	Described by W. S. King Interbedded oil stained sand & shale Shale, brown gray and light to medium gray, banded, 1/8" to ¼" thick, firm, laminated, easily broken, silty, abundant forams. Oil stained sand, common streaks or stringers 1/8" to ½" thick, (two stks to 1" thick), lt gry w/ silt brown cast, friable, fine grained, slightly silty, fair sorting, apparent fair P & P. Good high gravity oil odor, amber cut, dull yellow to bright yellow fluorescence. Cut (CCl_4) fluoresces bright milky yellow. 30 second flash. Approx 10% of core is oil st. sand. Siltstone shells at 2833' and 2840' are med gry, hd., & dense, calcareous. Good 37°-42° dips.
Core #11 2851-2871	Rec. 10'	10'	Interbedded oil stained sand & shale as in core No. 10. Shale, brown gray to med gray, banded, firm, silty, laminated, abun forams, occ slicked bedding surface. Sand in thins streaks from paper thin to ½" thick, lt gry w/brn cast, friable fine grained, silty; subangular grains, apparent fair to poor P & P, good high gravity odor, amber cut, med to bright yellow fluorescence, cut (CCl_4) fluoresces bright milky yellow. About 20% of core is oil stained sand. Good gas flash from core barrel. Excellent 37° dips.
Core #12 2871-2881	Rec. 10'	10'	Interbedded oil stained sand & shale as in core last above. Shale, as above, firm to hard, occ broken & slightly slicked Sand, as above, in streaks & very thin to ½" thick partings. Good odor, amber cut, med yellow fluorescence, cut fluoresces milky yellow. No barrel flash. Approx 20% is oil stained sand. Excellent 40-41° dips.
Core #13 2950-2955	Rec. 2½'	½'	Described by W. S. King Oil Stained Sand as in cores above, med gray with light tan cast, friable fair bedding, fine grained, silty, fair sorting, fair P & P, micromicaceous, common fragments & disseminated carbonaceous material. Good odor, dk brown cut, med yellow fluorescence, CCl_4 cut fluoresces med yellow w/ faint green cast.

Core #13 cont'd		1½'	Interbedded shale and oil stained sand, as in cores above, w/common streaks carbonaceous material. Approx. 20% oil std. sd.
		½'	Oil std sand, med gry, w/lt tan case, hard med-crse grained, conglomeratic, silty, very poorly sorted. Pebbles to ¼" inch diam are subrounded. Poor P&P. Good odor dark brown CCl_4 cut. Med yellow fluorescence, which shows few brighter patches. Cut fluoresces med yellow w/faint green cast. good 51° dips.
Core #14 2955-2975	Rec 1⅝'	1⅝'	Conglomeritic oil stained sand. fair staining, friable but w/hard streaks, med crse grained, silty, v poorly sorted, subrounded pebbles ranging to ⅜" diam. fair to poor P&P. Friable sand appears to have better P&P than hd sd. Fossil shell frags noted. Good odor, amber cut, bright yellow fluorescence, cut fluoresces bright yellow w/ slight green cast. One 2" piece siltstone, brown gry, vy hd, well bedded, locally sandy, common forams, slicked on one surface.
Core #15 2975-2995	Rec. 12ft	12'	Oil Sand, lt brn gry, friable to loose, med crse grained, poorly sorted, silty, locally gradding to pebbly coarse sand, rare streaks dark gry siltstone 1/8" to ¼" thick. Pebbles are subrndd, range to 12 diam. Entire core shows easy flat parting. Fair to poor P&P Good odor, dk brown cut, dull yellow to bright yellow fluor, cut fluoresces bright yellow, Locally fluorescence is uneven but no gray patches. Possibly wet. Fair dips 45°
Core #16 2995-3005	Rec. 3'	3'	Described by R. M. Grivetti Conglomeritic Oil Sand - tan gray, loose to easily friable, poorly sorted, med to coarse sand studded with grits and pebbles to 2" in diameter. Recovered one fragment metamorphic boulder over 4" in diameter. Sand has fair to excellent P&P in few firm pieces recovered. (Core blew out of barrel when pumped out and is mostly loose sand and gravel). Pebbles are well rounded and polished - mostly metamorphic types but w/ some partially decomposed granites Strong gasoline odor, weak but even fluorescence, good dark brown CCl_4 cuts.

Core #17
3490-3505 Rec. 15'

Described by L.B. Freeman 9-11-53

3½' Oil Stained Sand - light tan to medium gray, fine grained w/ local scattered coarse grits and rare rounded pebbles arkosic, finely micaceous, fair sorting, silty, low p & p, fair friability, occ. thininterbeds to ¼" of dark gray-brown foraminiferal siltstone, excellent 53° dips, weak spotty staining, very faint petroleum odor with strong brackish water odor, pale straw cut where weakly stained to dark brown cut, weak spotty pale yellow fluorescence looks tight & wet.

1' Oil stained Sandstone - lithology as above but w/ more coarse grained material and fairly well cemented, firm to hard, massive, shows as above, looks tight & wet.

½' Interbedded Oil Stained Sand & Siltstone. AS IN TOP 3', sd & sltstn in alternating ¼" interbeds, good 55-60° dips, shows as above.

5' Oil Stained Sand, light tan to light med gray, med grained w/much fine material and some scattered coarse angular grits, poor to very poor sorting, firm to hard, massive, arkosic, angular to subangular, some silt, tight, shows as in top 3½' with weaker staining.

5' Interbedded siltstone & Oil stained sand as in top 3½' top 2' of this recovery has 70-90° contorted dips, bottom 3' has good 60° dips.

estimated total 8'+ oil stained sand in core.

Core #18 3505-3524	Rec. 9'	4'	Oil Stained Sand, med to crse. grained top 6" grading downward into fine grained, massive, arkosic, subangular grains, hard at top where well cemented to firm at bottom, silty throughout, tight at top to low P & P on bottom, fairly friability, light tan where stained to med gray, vy faint pet odor, weak uneven staining, pale straw cut, weak pale yellow patchy fluorescence, looks & smells wet, rare ¼" silt streaks.
		1'	Interbedded gray brown foraminiferal siltstone and tight fine grained oil stained sand, lith and shows as in top 3' (⅛ to ⅜" interbeds)
		4'	Oil Stained Sand, conglomeritic, medium to coarse grained, locally pebbly, very poorly sorted, angular to subrounded grains, tight firm at top to hard in bottom 3", massive to poorly bedded, locally silty, arkosic, finely micaceous w/occas large biotite flakes, rare ¼" gray brown foraminiferal siltstn beds giving good 55-60° dips; shows as in upper 3' but w/amber cuts, looks & smells wet.
Core #19 3656-3673'	Rec. 12'	12'	Oil Stained Sand, medium gray to light gray-tan where patchily stained, predominantly coarse grained with local grading at bottom to medium and fine grained, occasionally pebbly, subangular, massive to poorly bedded, firm to soft, where soft is easily friable, silty, tite to low p & p, predominantly quartz with scattered feldspar and biotite, occasional 1/8 - ½" streak of gray-brown gritty siltstone in top 10' of recovery, bottom 10' has one 2" interbed of dark gray siltstone, good 55-60° dips; very faint petroleum odor, weak and patchy dark brown to lite tan oil staining, bright to dull yellow spotty fluorescense, pale straw cut to fair dark brown cut where better stained, looks wet.

Core #20
6043-53' Rec. 7' 6' Described by L. B. Freeman 9-22-53
Siltstone, dark gray-brown, gritty with very fine grained rounded quartz sand, finely micaceous, locally slickensided along bedding planes, impermeable, contains laminae up to ¼" of oil stained sand, predominantly arkosic, silty, firm, tight, laminae are mainly fine and subangular grained but occasionally are coarse grained and angular containing scattered green mineral fragments (apatite?), good 45-50° dips, weakly oil stained, faint odor, weak to fair straw cut, uneven yellow fluorescence, looks tight and wet.

1' Sandstone, light gray, medium grained, angular to subrounded, poorly sorted in rounding hard, well cemented, tight, arkosic, rare fine biotite, no shows.

Core #21
5526-5544' Rec. 1' ½' Described by G. T. Benson 9-30-53
Siltstone. Dark brown with slight greenish tint, soft, finely micaceous. Contains occasional rounded pieces dark gray siltstone to medium sand grain size. Much drilling mud intermeixed.

½' Sandstone. Light gray to white. Fine grained, fairly poorly sorted, well cemented, silty arkose. Grains are subrounded. Friable. Contains about 10% gray siltstone interealated in very thin to 1/8" thick beds. Sand contains considerable amount of clay. No cut color. No fluorescence.

Core #22
6054-73' Rec. 18' 12' Described by L. B. Freeman - 10-5-53
Sand, medium gray, fine to medium grained, subrounded to occasionally angular, quartzose some feldspar and occasional biotite, massive, firm to locally soft and easily friable, silty, and clayey with kaolinitic material, pebbly throughout with well rounded pebbles to 1/4" of dark gray igneous material, very crumbly at 6065' where sand contains several rounded medium gray siltstone pebbles to 2", no dips noted, low permeability to tight, no shows.

6' Sandstone, lithology as above, less pebbly, very well cemented, hard, tight, no shows.

Core #23
6505-6550' Rec. 4' 4'

Described by G. T. Reason 10-10-53
Shale. Dark gray and black interbedded, very hard, laminated. Contains many thin to 1/4" thick beds of gray-white, fine grained, well cemented, quartzose, micaceous sand. Shale contains fish remains (?), few thin irregular patches of berry mineral. No oil stain, odor or fluorescence. Dips 65 to 90°.

Core #24
6550-6600' Rec. 6' 6'

Described by L. B. Freeman 10-11-53
Interbedded gray siltstone, brown siltstone and gray sandstone; core is predominantly medium grained siltstone, finely micaceous, rare fine grained quartz sand grains, beds to 1", brown siltstone is in thin laminae 1/4" thick, generally gritty with fine to medium grained quartz sand; sandstone in laminae to 1/4" except for one 1" bed, light medium gray, fine grained, angular to rounded, silty, clayey with white kaolinitic material, quartzose, abundant biotite, tight, excellent 85-90° dips, no odor, stain, cut, or fluorescence.

Core #25
6600-7000' Rec. 10' 10'

Described by W. S. Ling
Interbedded silty shale, siltstone, and occasional sandy streaks. Banded dark gray to dark brown gray, to light gray in sandy streaks. Firm to hard, well bedded, most of core broken into large angular fragments, with common slicks on fractured surfaces. Occasional sand streaks (About 20% of core) are fine to medium grained, silty, very poorly sorted, arkosic, quartzose, tight. One 1/2" streak near top of fine grained, silty, fair oil stained sand, friable, fair yellow fluorescence, straw cut, fair odor. Rest of sand streaks fluoresce light yellow, with faint odor, light straw cut, some dark, few oil stain on fractured surfaces. Excellent 80-90° dips.

Core #26 No Recovery 1½'

Described by G. T. Reason 11-9-53
Cavings in drilling mud. Cavings to 5" diameter consisting of hard, gray, slightly sandy shale, and hard, brown, very well cemented, fine grained, calcareous sand with occasional patches of gray, fine grained sand. No oil shows.

Core #27
7923-7923' Rec. 10' 0½' Described by G. T. Benson
Shale. Hard, dark gray-brown, silty, massive to poorly laminated, fractured and locally broken up. Fracture surfaces show slickensides. Measured dips 70° and 83°, usually near 85°.

1½' Breccia-Conglomerate. Granitic and metamorphic pebbles and granules up to 2" diameter in dark grayish brown shale matrix. Pebbles angular to subrounded. Few fractures show slickensides. No oil shows.

Core #28
8000-8011' Rec. 11' Described by W. C. King
Silty shale, medium to dark gray with brown cast, firm to very hard, well bedded, banded with very thin to 1/4" thick streaks medium and dark gray. Locally very silty. Greater portion of core broken into large angular fragments with slickensided surfaces. Occasional slicked fracture surfaces covered with calcite. One fracture contains 1/4" thick zone of black crumbly gouge. Rare rare fossil fragments, very rare microfossils (?). Good 79° to 84° dips. No shows.

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 153-1360

Mr. R L Jackson, Los Angeles 15 Calif. November 18 1953
Long Beach 1 Calif.
Agent for THE TEXAS CO

DEAR SIR:

Operations at your well No. "Eadie" 1 Sec. 23, T. 3 N, R. 16 W, S B B. & M.,
Newhall Field, in Los Angeles County, were witnessed by
J. E. Foster, Inspector, representative of the supervisor,
on November 13, 1953. There was also present S. Ballard, Drilling Foreman;
M. Honeycutt, Drilling Foreman.

Casing Record	Junk
11-3/4" cem. 500'. T.D. 8011', plugged with cement 850'-766', 530'-400', and 15'-5'.	None

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

The inspector arrived at the well at xxxx and Mr. xxxxx reported:

INSPECTOR G. J. BORKOVICH VISITED THE WELL FROM 7:50 - 8:20 P.M., NOVEMBER 12, 1953, AND MR. BALLARD REPORTED:

1. A 9-7/8" rotary hole was drilled from 500' to 8000'; an 8-1/2" rotary hole, 8000'-8011'.
2. On November 12, 1953, 75 sacks of cement was pumped into the hole through 4-1/2" drill pipe hanging at 850', filling to 766'.

THE INSPECTOR NOTED:

1. The cement plug at the reported depth of 766' supported 7 points of the weight of the drill pipe.
2. The driller's tally showed 766' of drill pipe in the hole.

THE INSPECTOR ARRIVED AT THE WELL AT 1:30 P.M. AND MR. BALLARD REPORTED:

1. On November 13, 1953, 75 sacks of cement was pumped into the hole through 4-1/2" drill pipe hanging at 530'.
2. The top of the cement was found at 400'.
3. A bridging plug of paper sacks was placed 10' below the top of the 11-3/4" casing.
4. On November 13, 1953, 7 sacks of cement was poured into the hole.

THE INSPECTOR NOTED THAT the top of the cement filled to the top of the 11-3/4" casing, which is 5' below the surface of the ground.

The test was completed at 1:45 p.m.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

JFF:OH

cc Company

Orig Mr R F Cory

R. D. BUSH
State Oil and Gas Supervisor

By R. V. Walling Deputy

62547 7-53 17,850 ⓢ SPO

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 153-1402

Los Angeles 15 Calif. November 18 19 53

Mr. R L Jackson

Long Beach Calif.

PRODUCTION

Agent for THE TEXAS CO

Dear Sir:

Your proposal to abandon Well No. "Eadie" 1,

Section 23, T. 3 N., R. 16 W., S B B. & M., Newhall Field, Los Angeles County,

dated Nov. 16 19 53, received Nov. 17 19 53, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS IN ADDITION TO, OR AT VARIANCE WITH, THOSE SHOWN IN THE NOTICE

The base of the fresh waters as indicated by the electric log is at 800'.

THE NOTICE STATES

"The present condition of the well is as follows:

1. Total depth.
   8011
2. Complete casing record.
   11-3/4", 54#, J-55 casing cemented solid at 500'.
3. Last produced. Prospect well, no commercial showings."

PROPOSAL

"The proposed work is as follows:

1. Place cement plug 850' to 766', Division of Oil and Gas to witness top.
2. Place cement plug 530' to 400'.
3. Place 10 lineal feet of cement at surface in the 11-3/4" casing. Division of Oil and Gas to witness.
4. Cap with steel plate and abandon."

DECISION

THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT, IS APPROVED.

FRK:OH

F/G

Orig Mr R F Cory

cc Company

R. D. BUSH
State Oil and Gas Supervisor

Blanket bond.

By R. D. Nelling Deputy

FORM 108. 5/613 2-52 20M ⓔ SPO

DIVISION OF OIL AND GAS
RECEIVED
NOV 17 1953
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Santa Paula Calif. November 16, 19 53

DIVISION OF OIL AND GAS

Los Angeles, Calif.

In compliance with Secs. 3228, 3229, 3230, 3231 and 3232, Ch. 93, Stat. 1939, notice is hereby given that it is our intention to abandon well No. Eadie #1

Sec. 23, T. 3N, R. 16W, S.B. B. & M. (Weldon Canyon) Field,

Los Angeles County, commencing work on the 12th day of November 19 53

The present condition of the well is as follows:

1. Total depth.
   8011
2. Complete casing record.
   11¾", 54#, J-55 casing cemented solid at 500'.

3. Last produced. Prospect well, no commercial showings
   (Date) (Net oil) (Gravity) (Cut)

The proposed work is as follows:

1. Place cement plug 850' to 766', Division of Oil and Gas to witness top.
2. Place cement plug 530' to 400'.
3. Place 10 lineal feet of cement at surface in the 11¾" casing. Division of Oil and Gas to witness.
4. Cap with steel plate and abandon.

The Texas Company
(Name of Operator)

By R.F.Cory-Dist.Petr.Engineer

WWK-UFB
TWB-IF-File

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 153-1105

Los Angeles 15 Calif. September 16 1953

Mr R L Jackson
~~Mr.~~ P O Box 320
Long Beach Calif.
Agent for THE TEXAS CO

PROSPECT WELL

DEAR SIR:

Operations at your well No. "Eadie" 1 Sec. 23, T. 3 N, R. 16 W, S B B. & M., Newhall Field, in Los Angeles County, were witnessed by G. J. Borkovich, Inspector, representative of the supervisor, on September 8 1953. There was also present E. Ballard, Drilling Foreman; H. R. Dixon, Driller.

Casing Record 11-3/4" cem. 503'. T.D. 3035'.

Junk None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 12:45 p.m. and Mr. Ballard reported:

1. A 17-1/2" rotary hole was drilled from the surface to 503'.
2. On August 19, 1953, 11-3/4", 54 lb. casing was cemented at 503' with 450 sacks of cement.
3. Cement did not return to the surface.
4. On August 19, 1953, 150 sacks of cement was pumped down around the 11-3/4" casing through 2" pipe hanging at 200'.
5. A 9-7/8" rotary hole was drilled from 503' to 3035'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4-1/2" drill pipe.
2. A Hydril blowout preventer for closing around the 4-1/2" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 2" mud fill-up line with a 2" high pressure stopcock into the 11-3/4" casing below the above equipment.
5. A high pressure stopcock on the kelly.

The inspection was completed at 1:15 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

GJB:OH

cc The Texas Co (Attn Mr T W Bell)
929 South Broadway
LOS ANGELES 15

Orig Mr R F Cory Dist Engineer
The Texas Co
Box 510
Santa Paula California

10/15/53 [illegible]
TD 6800'
[illegible]
Shale [illegible] - 2900'
[illegible] 2900'
No Shows so far
[illegible]
850 - 750 [illegible]
570 - 480 [illegible]
10 - Surf. [illegible]
[illegible]

R. D. BUSH
State Oil and Gas Supervisor

By R. W. Walling Deputy

82547 7-53 17,850 SPO

FORM 111 (1-49)

E

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 153-941

Los Angeles 15 Calif. July 22 1953

Mr. S L Jackson
P O Box 320
Long Beach Calif.

(2)

Agent for THE TEXAS CO

DEAR SIR:

Your proposal to drill Well No. "Madie" 1,

Section 23, T. 3 N., R. 16 W., S B B. & M., Newhall Field, Los Angeles County,

dated July 14 19 53, received July 15 19 53, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES

"Location of well: 2425.28 feet South along section line and 1482.21 feet West at right angles to said line from the Northeast corner of section 23, T. 3 N., R. 16 W., S.B.B. &M.
Elevation of ground above sea level 2125 feet Ground datum. (Topo)
All depth measurements taken from top of Kelly Bushing which is 12 feet above ground."

PROPOSAL

"PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
11 3/4"	47#	J-55	Surface	500	500' w/500 sacks

Intended zone or zones of completion:
It is understood that if changes in this plan become necessary we are to notify you before running casing."

DECISION

THE PROPOSAL IS APPROVED PROVIDED THAT

1. A supplementary proposal shall be filed with this Division prior to running any additional casing, or placing any cement plugs. Additional requirements will be specified at that time.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed and approved by this division.
3. THIS DIVISION SHALL BE NOTIFIED TO INSPECT the installed blowout prevention equipment before drilling below 1000'.

ERMA:OH

cc The Texas Co (Attention Mr T W Bell)
929 South Broadway
LOS ANGELES 15

Orig Mr R F Cory Dist Engineer
The Texas Co
Box 510
Santa Paula California

R. D. BUSH
State Oil and Gas Supervisor

Blanket bond.

By E. H. Meisser Deputy

FORM 105

037-06077

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JUL 15 1953
LOS ANGELES, CALIFORNIA

(E)

7

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Santa Paula Calif. July 14 1953

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. "Eadie" #1, Sec. 23, T. 3 N, R. 16 W, S.B. B. & M., ~~Weldon Canyon~~ Newhall Field, Los Angeles County.

Legal description of lease
(Attach map or plat to scale)

Location of Well: 2425.28 feet South (Direction) along ~~property~~ section line and 1482.21 feet West (Direction) at right angles to said line from the Northeast corner of ~~property~~ section 23, T. 3 N., R. 16 W., S.B.B.&M.

Elevation of ground above sea level 2125 feet Ground datum. (Topo)

All depth measurements taken from top of Kelly Bushing (Derrick Floor, Rotary Table or Kelly Bushing) which is 12 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
11 3/4"	47#	J-55	Surface	500	500' W/500 sacks

Intended zone or zones of completion: Prospect Well

MA 18A MB4 121

It is understood that if changes in this plan become necessary we are to notify you before running casing.

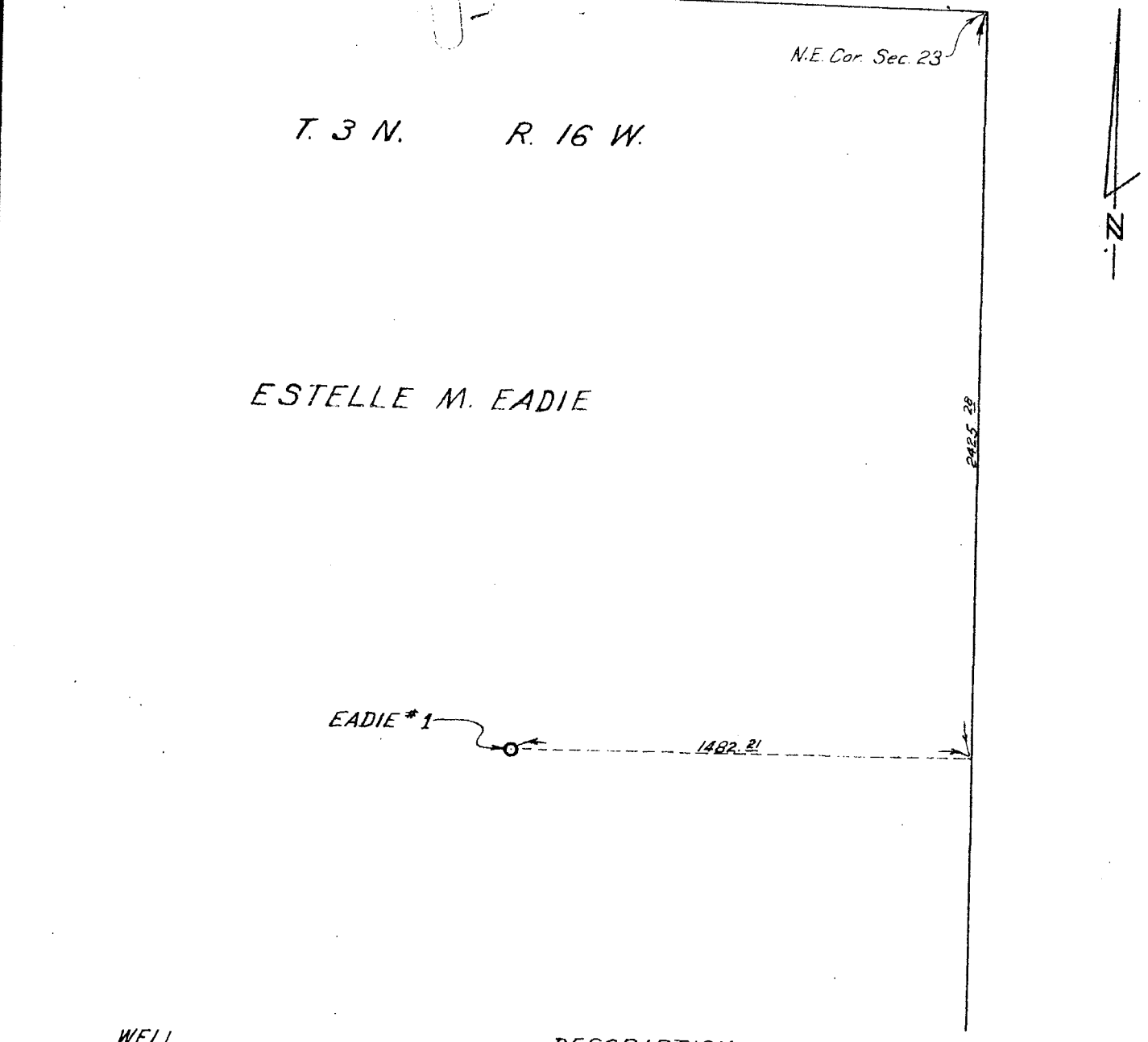
Address P. O. Box 510

Telephone Number 7F

The Texas Company
(Name of Operator)

By R. F. Cory
R.F.Cory - District Pet. Engineer

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED



WELL	DESCRIPTION
Eadie # 1 F.B. C.B.	2425.28 ft. S'ly along the E. line of Sec. 23, T.3N., R.16W. S.B.B.&M., from the N.E. cor. thereof, thence W'ly at right angles thereto 1482.21 ft.

1

REVISED TO	BY

Weldon Can. Area POOL
Ventura DISTRICT

THE TEXAS CO.
PACIFIC COAST DIVISION
ENGINEERING OFFICE — PRODUCING DEP'T
SIGNAL HILL, CALIF.

APPROVED:
DATE 7-15-53

DR. BY W.E.K.
TR. BY
CH. BY
SCALE: 1" = 500'
DWG. NO. 2C-271-7197

LOCATION EADIE #1
L.A. COUNTY

T.W.B. - H.F.A. - G.R.C.[2] - J.L.S.[5] - R.L.P. - A.A.A. - G.M.R.[2]