NSPS OOOOa Annual Report

Pursuant to 40 CFR §60.5420a(b)

19 SEP -9 AM 10: 20

Company Information

§60.5420a(b)(1)

Company Name: **Canyon Creek Energy**

Company Mailing Address:	2431 E 61st St, Ste 400	Tulsa	OK	74136
	Street Address	City	State	Zip Code

For information regarding this report please contact the following:

Contact Name: **Aly Roat**

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Reporting Period

Compliance Period Start Date: June 3, 2018

Compliance Period End Date: June 2, 2019

Date Report Submitted: August 31, 2019

Certification By a Certifying Official

Statement of Certification: Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

Name of Certifying Official: **Gianni Giannandrea**

Title of Certifying Official: **Drilling & Completions Manager**

Email Address: **GGiannandrea@cceok.com**

Phone Number: **(918) 779-4958**

Signature: GGL

Signature Date: 8/15/19

List of Affected Facilities

§60.5420a(b)(1)(i)-(iii)

Site Name	Company Name	US Well ID *(if applicable)*	County	State	Latitude	Longitude	Description of the Site Location	Affected Facility Categories
Allen 1-32H	Canyon Creek Energy	35-005-20462	Atoka	OK	34.37556	-96.23091	5.8 miles West of Atoka, OK	Fugitive Components (Well Site)
HB 1-11/14H	Canyon Creek Energy	35-029-21357	Coal	OK	34.66016	-96.31833	5.0 miles Northeast of Centrahoma, OK	Fugitive Components (Well Site)
LDC 1-23/26H	Canyon Creek Energy	35-029-21350	Coal	OK	34.63703	-96.31845	4.3 miles Northeast of Centrahoma, OK	Fugitive Components (Well Site)
LDC 1-24/25H	Canyon Creek Energy	35-029-21350	Coal	OK	34.63703	-96.31845	4.3 miles Northeast of Centrahoma, OK	Fugitive Components (Well Site)
Walkup 1-32H	Canyon Creek Energy	35-029-21361	Coal	OK	34.43351	-96.28581	6.3 miles Southwest of Lehigh, OK	Fugitive Components (Well Site)
Kilo 1-8/5H	Canyon Creek Energy	35-029-20186	Coal	OK	34.74512	-96.26472	9.0 miles South of Gerty, OK	Fugitive Components (Well Site)
Kilo 1-8/17/20H	Canyon Creek Energy	35-029-20187	Coal	OK	34.74512	-96.26472	9.0 miles South of Gerty, OK	Fugitive Components (Well Site)
Boles 1-2/11/14H	Canyon Creek Energy	35-029-21359	Coal	OK	34.66937	-96.42478	4.5 miles North of Tupelo, OK	Fugitive Components (Well Site)
Solo 1-25/36H	Canyon Creek Energy	35-029-21368	Coal	OK	34.44063	-96.30333	6.0 miles Southeast of Olney, OK	Fugitive Components (Well Site)
Solo 1-30/36H	Canyon Creek Energy	35-029-21368	Coal	OK	34.44063	-96.30333	6.0 miles Southeast of Olney, OK	Fugitive Components (Well Site)
Nacho 1-7/18H	Canyon Creek Energy	35-005-20465	Atoka	OK	34.39556	-96.28624	9.0 miles West of Atoka, OK	Fugitive Components (Well Site); Well
Nacho 1-8/17H	Canyon Creek Energy	35-005-20465	Atoka	OK	34.39556	-96.28624	9.0 miles West of Atoka, OK	Fugitive Components (Well Site); Well
The Duke 1-27/34H	Canyon Creek Energy	35-063-24808	Hughes	OK	34.96105	-96.24975	0.5 miles South of Calvin, OK	Fugitive Components (Well Site); Well
The Duke 1-28/33H	Canyon Creek Energy	35-063-24808	Hughes	OK	34.96105	-96.24975	0.5 miles South of Calvin, OK	Fugitive Components (Well Site); Well
Bonell 1-27/34H	Canyon Creek Energy	35-063-24786	Hughes	OK	34.97132	-96.14009	5.3 miles Northwest of Stuart, OK	Fugitive Components (Well Site); Well
Bonell 1-28/33H	Canyon Creek Energy	35-063-24786	Hughes	OK	34.97132	-96.14009	5.3 miles Northwest of Stuart, OK	Fugitive Components (Well Site); Well

List of Affected Facilities

§60.5420a(b)(1)(i)-(iii)

Site Name	Company Name	US Well ID *(if applicable)*	County	State	Latitude	Longitude	Description of the Site Location	Affected Facility Categories
Whitetail 1-29/20H	Canyon Creek Energy	35-063-24833	Hughes	OK	34.96271	-96.15974	5.0 miles East of Calvin, OK	Fugitive Components (Well Site); Well
Whitetail 1-28/21H	Canyon Creek Energy	35-063-24833	Hughes	OK	34.96271	-96.15974	5.0 miles East of Calvin, OK	Fugitive Components (Well Site); Well
Bills 1-29/32H	Canyon Creek Energy	35-029-21381	Coal	OK	34.61543	-96.39011	2.0 miles Northeast of Tupelo, OK	Fugitive Components (Well Site); Well
Bills 1-30/31H	Canyon Creek Energy	35-029-21380	Coal	OK	34.61539	-96.39011	2.0 miles Northeast of Tupelo, OK	Fugitive Components (Well Site); Well
Amigo Shine 1-15H	Canyon Creek Energy	35-029-21382	Coal	OK	34.64982	-96.33568	2.7 miles North of Centrahoma, OK	Fugitive Components (Well Site); Well
Kane 1-1/12/13H	Canyon Creek Energy	35-029-21387	Coal	OK	34.66830	-96.40444	5.2 miles Northwest of Centrahoma, OK	Fugitive Components (Well Site); Well
Big Oak 1-35/2H	Canyon Creek Energy	35-029-21389	Coal	OK	34.69121	-96.33567	5.6 miles North of Centrahoma, OK	Fugitive Components (Well Site); Well
Big Oak 1-35/26H	Canyon Creek Energy	35-029-21388	Coal	OK	34.69121	-96.33567	5.0 miles North of Centrahoma, OK	Fugitive Components (Well Site); Well
Hockett 2-3H	Canyon Creek Energy	35-029-21325	Coal	OK	34.58020	-96.44959	2.2 miles Southwest of Tupelo, OK	Fugitive Components (Well Site)
Romines 2-2H	Canyon Creek Energy	35-029-21324	Coal	OK	34.59452	-96.44025	1.1 miles Southwest of Tupelo, OK	Fugitive Components (Well Site)

Well Affected Facilities

§60.5420a(b)(2)

Well Name	Flowback Onset (Date/Time)	First Attempt to Direct Flowback to Separator (Date/Time)	Return to Initial Flowback Stage (Date/Time)	Well Shut In or Startup of Production (Date/Time)	Total Flowback (Hours) (b)(2)(i)	Separation Flowback (Hours)	Separation Recovery (Hours)	Separation Combustion (Hours)	Separation Venting (Hours)	Disposition of Recovery	Reason for Venting
Nacho 1-7/18H	6/27/2018 7:00:00 AM	N/A	N/A	7/10/2018 12:00:00 PM	317	0	0	0	0	N/A	N/A
Nacho 1-8/17H	6/27/2018 7:00:00 AM	N/A	N/A	7/12/2018 8:00:00 AM	361	0	0	0	0	N/A	N/A
The Duke 1-27/34H	8/30/2018 8:00:00 AM	N/A	N/A	9/12/2018 3:00:00 PM	319	0	0	0	0	N/A	N/A
The Duke 1-28/33H	8/30/2018 8:00:00 AM	N/A	N/A	9/13/2018 10:00:00 AM	338	0	0	0	0	N/A	N/A
Bonell 1-27/34H	10/4/2018 1:00:00 PM	N/A	N/A	11/2/2018 9:00:00 AM	692	0	0	0	0	N/A	N/A
Bonell 1-28/33H	10/4/2018 1:00:00 PM	N/A	N/A	11/2/2018 9:00:00 AM	692	0	0	0	0	N/A	N/A
Whitetail 1-29/20H	11/5/2018 8:00:00 AM	N/A	N/A	11/21/2018 12:00:00 PM	388	0	0	0	0	N/A	N/A
Whitetail 1-28/21H	11/5/2018 8:00:00 AM	N/A	N/A	11/21/2018 12:00:00 PM	388	0	0	0	0	N/A	N/A
Bills 1-29/32H	1/1/2019 8:00:00 AM	N/A	N/A	1/10/2019 10:00:00 AM	218	0	0	0	0	N/A	N/A
Bills 1-30/31H	1/1/2019 8:00:00 AM	N/A	N/A	1/10/2019 10:00:00 AM	218	0	0	0	0	N/A	N/A
Amigo Shine 1-15H	12/3/2018 8:00:00 AM	N/A	N/A	1/7/2019 10:00:00 AM	842	0	0	0	0	N/A	N/A
Kane 1-1/12/13H	4/25/2019 8:00:00 AM	N/A	N/A	4/29/2019 8:00:00 AM	96	0	0	0	0	N/A	N/A
Big Oak 1-35/2H	2/5/2019 11:00:00 AM	N/A	N/A	2/12/2019 5:00:00 PM	174	0	0	0	0	N/A	N/A
Big Oak 1-35/26H	2/5/2019 11:00:00 AM	N/A	N/A	2/12/2019 5:00:00 PM	174	0	0	0	0	N/A	N/A

[1] Initial flow is sent to flowback tanks, and once a separator can be operated, flow is sent to the production separator where all gas is captured for sales

Well Affected Facilities Exceptions

§60.5420a(b)(2)

Well Name	Specific Exception Claimed	Starting Date for the Exception	Ending Date for the Exception	Why the Well Meets the Exception	Name of Nearest Gathering Line	Location of Nearest Gathering Line	Technical Considerations For Not Routing to this Line	Capture, Reinjection and Reuse Considered	Aspects of Gas or Equipment that Prevent Use as Onsite Fuel	Technical Considerations Preventing Use for Other Useful Purpose	Additional Reasons for Technical Infeasibility
Nacho 1-7/18H	N/A										
Nacho 1-8/17H	N/A										
The Duke 1-27/34H	N/A										
The Duke 1-28/33H	N/A										
Bonell 1-27/34H	N/A										
Bonell 1-28/33H	N/A										
Whitetail 1-29/20H	N/A										
Whitetail 1-28/21H	N/A										
Bills 1-29/32H	N/A										
Bills 1-30/31H	N/A										
Amigo Shine 1-15H	N/A										
Kane 1-1/12/13H	N/A										
Big Oak 1-35/2H	N/A										
Big Oak 1-35/26H	N/A										

Collection of Fugitive Emissions Components at a Well Site

§60.5420a(b)(7)

Facility Name	Date (b)(7)(i)	Beginning and End Time (b)(7)(ii)	Name, Training and Experience of OGI Operator (b)(7)(iii)	Ambient Temperature, Sky Conditions and Max Wind Speed (b)(7)(iv)	Monitoring Instrument (b)(7)(v)	Deviations (or Statement of No Deviations) (b)(7)(vi)	Number and Type of Components for Which Emissions Were Detected (b)(7)(vii)	Number/Type of Components Not Repaired as Required (b)(7)(viii)	Number/Type of DTM & UTM Components Monitored (b)(7)(ix)	Date of Successful Leak Repairs (b)(7)(x)	Number/Type of Components Placed on DOR and Explanation (b)(7)(xi)	Instrument Used to Resurvey (b)(7)(xii)
Allen 1-22H	9/25/2018	2:16 PM 2:42 PM	Ryan Pickett[1]	90 deg F Partly Cloudy 4.2 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	Three (3) Thief Hatches	None	None	9/26/2018	None	FLIR GF320 OGI Camera
Allen 1-22H	2/21/2019	8:54 AM 9:12 AM	Ryan Pickett[1]	41 deg F Overcast 5.6 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
HB 1-11/14H	9/25/2018	8:46 AM 9:10 AM	Ryan Pickett[1]	71 deg F Overcast 2.6 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	Three (3) Thief Hatches	None	None	9/25/2018	None	FLIR GF320 OGI Camera
HB 1-11/14H	2/21/2019	12:36 PM 12:49 PM	Ryan Pickett[1]	48 deg F Overcast 8.2 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
LDC 1-23/26H & LDC 1-24/25H	9/25/2018	9:23 AM 9:50 AM	Ryan Pickett[1]	73 deg F Overcast 3.6 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
LDC 1-23/26H & LDC 1-24/25H	2/21/2019	11:45 AM 12:17 PM	Ryan Pickett[1]	48 deg F Overcast 8.0 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	Six (6) Thief Hatches	None	None	2/25/2019	None	FLIR GF320 OGI Camera
Walkup 1-32H	9/25/2018	1:17 PM 1:45 PM	Ryan Pickett[1]	91 deg F Clear 7.1 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	One (1) Hose	None	None	10/9/2018	None	FLIR GF320 OGI Camera
Walkup 1-32H	2/21/2019	10:12 AM 10:27 AM	Ryan Pickett[1]	45 deg F Overcast 6.7 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Kilo 1-8/5H & Kilo 1-8/17/20H	9/25/2018	10:24 AM 10:46 AM	Ryan Pickett[1]	77 deg F Overcast 6.2 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Kilo 1-8/5H & Kilo 1-8/17/20H	2/21/2019	1:30 PM 1:46 PM	Ryan Pickett[1]	52 deg F Overcast 8.0 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Boles 1-2/11/14H	9/25/2018	7:28 AM 8:09 AM	Ryan Pickett[1]	70 deg F Overcast 4.0 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	One (1) Connector, Two (2) Flanges	None	None	10/9/2018	None	FLIR GF320 OGI Camera
Boles 1-2/11/14H	2/21/2019	7:31 AM 8:03 AM	Ryan Pickett[1]	34 deg F Clear 1.1 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Solo 1-25/36H & Solo 1-30/31H	9/25/2018	12:34 PM 1:09 PM	Ryan Pickett[1]	87 deg F Clear 4.4 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	Two (2) Thief Hatches	None	None	9/25/2018	None	FLIR GF320 OGI Camera
Solo 1-25/36H & Solo 1-30/31H	2/21/2019	10:32 AM 10:49 AM	Ryan Pickett[1]	45 deg F Overcast 6.9 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	One (1) Connector	None	None	2/21/2019	None	FLIR GF320 OGI Camera
Nacho 1-7/18H & Nacho 1-8/17H	7/17/2018	7:50 AM 8:40 AM	Ryan Pickett[1]	80 deg F Partly Cloudy 4.5 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	Two (2) Fittings	None	None	7/18/2018	None	FLIR GF320 OGI Camera
Nacho 1-7/18H & Nacho 1-8/17H	2/21/2019	9:22 AM 9:40 AM	Ryan Pickett[1]	43 deg F Overcast 5.6 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
The Duke 1-27/34H & The Duke 1-28/33H	9/25/2018	4:51 PM 5:36 PM	Ryan Pickett[1]	91 deg F Partly Cloudy 4.2 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	One (1) Valve	None	None	10/9/2018	None	FLIR GF320 OGI Camera

Collection of Fugitive Emissions Components at a Well Site

§60.5420a(b)(7)

Facility Name	Date (b)(7)(i)	Beginning and End Time (b)(7)(ii)	Name, Training and Experience of OGI Operator (b)(7)(iii)	Ambient Temperature, Sky Conditions and Max Wind Speed (b)(7)(iv)	Monitoring Instrument (b)(7)(v)	Deviations (or Statement of No Deviations) (b)(7)(vi)	Number and Type of Components for Which Emissions Were Detected (b)(7)(vii)	Number/Type of Components Not Repaired as Required (b)(7)(viii)	Number/Type of DTM & UTM Components Monitored (b)(7)(ix)	Date of Successful Leak Repairs (b)(7)(x)	Number/Type of Components Placed on DOR and Explanation (b)(7)(xi)	Instrument Used to Resurvey (b)(7)(xii)
The Duke 1-27/34H & The Duke 1-28/33H	2/21/2019	2:19 PM 2:47 PM	Ryan Pickett[1]	50 deg F Overcast 4.3 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Bonell 1-27/34 & Bonell 1-28/33H	2/21/2019	2:59 PM 3:14 PM	Ryan Pickett[1]	52 deg F Overcast 10.5 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Whitetail 1-29/20 & Whitetail 1-28/21H	2/21/2019	3:18 PM 3:41 PM	Ryan Pickett[1]	52 deg F Overcast 8.9 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Bills 1-29/32H & Bills 1-30/31H	6/25/2019	10:33 AM 11:19 AM	Allie Juarez[2]	82 deg F Partly Cloudy 8.5 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Amigo Shine 1-15H	6/25/2019	2:22 PM 2:39 PM	Allie Juarez[2]	89 deg F Clear 4.7 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Kane 1-1/12/13H	N/A - Facility started operation within reporting period, but the initial inspection didn't occur during this period											
Big Oak 1-35/2H & Big Oak 1-35/26H	6/25/2019	2:55 PM 3:20 PM	Allie Juarez[2]	91 deg F Clear 3.9 mph	FLIR GF320 OGI Camera	There were no deviations from the Plan	None	N/A	N/A	N/A	N/A	N/A
Hockett 2-3H	N/A - Facility was acquired in August 2018 and no records were provided by the previous operator; the semiannual inspection for the first of 2019 occurred outside of the reporting period											
Romines 2-2H	N/A - Facility was acquired in August 2018 and no records were provided by the previous operator; the semiannual inspection for the first of 2019 occurred outside of the reporting period											

[1] Ryan Pickett (Trinity Consultants): Trained by a FLIR certified thermographer and has undergone 12 hours of office training and more than 50 hours of hands-on field training and practical application. Conducted OGI surveys at approximately 225 compressor stations, well sites, and tank batteries using a FLIR GF320 camera. Performed OGI surveys for oil and gas operations in Texas, Arkansas, North Dakota, and Oklahoma.

[2] Allie Juarez (Trinity Consultants): Trained by an ITC certified thermographer and has undergone more than 16 hours of OGI/OOOOa training and more than 24 hours of hands-on field training. Conducted OGI surveys at approximately 100 natural gas facilities using a FLIR GF320 or FLIR GFx320 camera.

Deviations

§60.5420a(b)(2-4)(ii); (5-6)(iii)

Facility Name	Start Date/Time	End Date/Time	Explanation
Bonell 1-27/34 & Bonell 1-28/33H	1/1/19 12:00 AM	2/21/19 2:59 PM	According to 60.5397a(f), a initial monitoring survey was required for the site within 60 days of startup. The required survey was completed outside of the specified timeframe. The site is currently in compliance with all NSPS OOOOa requirements for the collection of fugitive emissions components at a well site.
Whitetail 1-29/20 & Whitetail 1-28/21H	1/20/19 12:00 AM	2/21/19 3:18 PM	According to 60.5397a(f), a initial monitoring survey was required for the site within 60 days of startup. The required survey was completed outside of the specified timeframe. The site is currently in compliance with all NSPS OOOOa requirements for the collection of fugitive emissions components at a well site.
Bills 1-29/32H & Bills 1-30/31H	3/11/19 12:00 AM	6/25/19 11:19 AM	According to 60.5397a(f), a initial monitoring survey was required for the site within 60 days of startup. The required survey was completed outside of the specified timeframe. The site is currently in compliance with all NSPS OOOOa requirements for the collection of fugitive emissions components at a well site.
Amigo Shine 1-15H	3/8/19 12:00 AM	6/25/19 2:22 PM	According to 60.5397a(f), a initial monitoring survey was required for the site within 60 days of startup. The required survey was completed outside of the specified timeframe. The site is currently in compliance with all NSPS OOOOa requirements for the collection of fugitive emissions components at a well site.
Big Oak 1-35/2H & Big Oak 1-35/26H	4/13/19 12:00 AM	6/25/19 3:20 PM	According to 60.5397a(f), a initial monitoring survey was required for the site within 60 days of startup. The required survey was completed outside of the specified timeframe. The site is currently in compliance with all NSPS OOOOa requirements for the collection of fugitive emissions components at a well site.