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575.397.3713 2609 W Marland Hobbs NM 88240

## C6+ Gas Analysis Report

15979G	ART80214	Shudde 27 102H	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023063989	1812	JT - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Feb 7, 2023 07:00	Feb 7, 2023 07:00	Feb 10, 2023 15:29	Feb 13, 2023
Date Sampled	Date Effective	Date Received	Date Reported
37.00	280.00	Torrance	86 @ 63
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Silverback Exploration			NG
Operator			Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	1.4000	1.4	
Nitrogen (N2)	2.5900	2.62674	
CO2 (CO2)	2.2900	2.32227	
Methane (C1)	66.7700	67.72403	
Ethane (C2)	12.7240	12.90261	3.4020
Propane (C3)	7.3320	7.43462	2.0190
I-Butane (IC4)	1.0310	1.04544	0.3370
N-Butane (NC4)	2.5530	2.58859	0.8050
I-Pentane (IC5)	0.7640	0.77425	0.2790
N-Pentane (NC5)	0.8160	0.82699	0.2960
Hexanes Plus (C6+)	1.7300	1.75446	0.7510
TOTAL	100.0000	101.4000	7.8890

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information			
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Feb 13, 2023

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,366.6	1,344.2	1,369.8	1,347.3
Calculated Total Sample Properties			
GPA2145-16 *Calculated at Contract Conditions			
Relative Density Real		Relative Density Ideal	
0.8607		0.8568	
Molecular Weight			
24.8164			
C6+ Group Properties			
Assumed Composition			
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%	
Field H2S			
14000 PPM			

**PROTREND STATUS:**

Passed By Validator on Feb 14, 2023

**DATA SOURCE:**

Imported

**PASSED BY VALIDATOR REASON:**

First sample taken @ this point, composition looks reasonable

**VALIDATOR:**

Brooke Rush

**VALIDATOR COMMENTS:**

OK

Operator	Well	Date	Gas Flared (MCF)	Method of Measurement
Silverback Operating II, LLC	Shudde 27 CTB	1/1/2023	290.36	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/2/2023	292.43	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/3/2023	308.16	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/4/2023	327.59	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/5/2023	332.97	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/6/2023	113.45	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/7/2023	61.02	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/8/2023	57.33	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/9/2023	58.6	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/10/2023	62.05	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/11/2023	65.55	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/12/2023	67.19	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/13/2023	70.45	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/14/2023	73.65	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/15/2023	74.93	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/16/2023	76.38	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/17/2023	77.68	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/18/2023	76.63	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/19/2023	77.78	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/20/2023	79.02	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/21/2023	80.35	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/22/2023	80.36	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/23/2023	80.78	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/24/2023	81.06	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/25/2023	81.86	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/26/2023	81.31	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/27/2023	82.01	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/28/2023	77.73	Orifice Meter- Electronic Flow Computer

Silverback Operating II, LLC	Shudde 27 CTB	1/29/2023	88.73	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/30/2023	84.89	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	1/31/2023	83.68	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/1/2023	82.77	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/2/2023	85.03	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/3/2023	83.51	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/4/2023	109.44	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/5/2023	155.41	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/6/2023	241.37	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/7/2023	262.06	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/8/2023	397	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/9/2023	564.6	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/10/2023	592.1	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/11/2023	546.35	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/12/2023	407.57	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/13/2023	444.47	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/14/2023	506.23	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/15/2023	962.2	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/16/2023	797.44	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/17/2023	555.91	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/18/2023	851.31	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/19/2023	902.5	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/20/2023	919.27	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/21/2023	859.17	Orifice Meter- Electronic Flow Computer
Silverback Operating II, LLC	Shudde 27 CTB	2/22/2023	782.86	Orifice Meter- Electronic Flow Computer

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 190179

DEFINITIONS

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 190179
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 190179

**QUESTIONS**

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 190179
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS****Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	Unavailable.
Incident Facility	[fAPP2305374956] Shudde 27 CTB

**Determination of Reporting Requirements**

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, major venting and/or flaring of natural gas.

An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.

Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

**Equipment Involved**

Primary Equipment Involved	Producing Well
Additional details for Equipment Involved. Please specify	DCP is not able to accept any gas due to a compressor station fire. Once the compressor station is back online we can begin to sell gas rather than flare.

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	67
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	2
Oxygen (O2) percentage, if greater than one percent	0

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 190179

QUESTIONS (continued)

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 190179
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/01/2023
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:59 PM
Cumulative hours during this event	1,272

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Producing Well   Natural Gas Flared   Released: 14,654 Mcf   Recovered: 0 Mcf   Lost: 14,654 Mcf.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Yes
Downstream OGRID that should have notified this operator	[36785] DCP OPERATING COMPANY, LP
Date notified of downstream activity requiring this vent or flare	12/20/2023
Time notified of downstream activity requiring this vent or flare	09:00 AM

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	DCP is not able to accept any gas due to a compressor station fire. Once the compressor station is back online we can begin to sell gas rather than flare
Steps taken to limit the duration and magnitude of vent or flare	Continue to reach out to DCP to determine when repairs are complete. Look for other options on gas takeaway.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Continue to reach out to DCP to determine when repairs are complete. Look for other options on gas takeaway.

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ACKNOWLEDGMENTS  
  
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ACKNOWLEDGMENTS

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	Action Number: 190179
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 190179

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Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 190179
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
htreffert	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/23/2023