



# Certificate of Analysis

Number: 6030-22060346-001A

**Artesia Laboratory**  
200 E Main St.  
Artesia, NM 88210  
Phone 575-746-3481

Jimmy Smith  
Americo  
7575 San Felipe  
Houston, TX 77063

June 28, 2022

Station Name: Stiletto 16 State 5H  
Station Number: 100-107  
Station Location: Americo  
Sample Point: Meter Run  
Instrument: 6030\_GC6 (Inficon GC-3000 Micro)  
Last Inst. Cal.: 06/27/2022 0:00 AM  
Analyzed: 06/28/2022 08:40:01 by ERG

Sampled By: GR  
Sample Of: Gas Spot  
Sample Date: 06/24/2022 01:30  
Sample Conditions: 26.8 psig, @ 115 °F Ambient: 98 °F  
Effective Date: 06/24/2022 01:30  
Method: GPA-2261M  
Cylinder No: 1111-007218

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	3.00000	4.145		GPM TOTAL C2+ 7.653
Nitrogen	1.986	1.92836	2.190		GPM TOTAL C3+ 4.223
Methane	68.386	66.41164	43.189		GPM TOTAL iC5+ 1.165
Carbon Dioxide	2.514	2.44102	4.355		
Ethane	13.176	12.79533	15.596	3.430	
Propane	7.199	6.99151	12.497	1.931	
Iso-butane	1.146	1.11281	2.622	0.365	
n-Butane	2.484	2.41266	5.684	0.762	
Iso-pentane	0.863	0.83798	2.451	0.307	
n-Pentane	0.656	0.63735	1.864	0.232	
Hexanes Plus	1.474	1.43134	5.407	0.626	
	99.884	100.00000	100.000	7.653	

### Calculated Physical Properties

Relative Density Real Gas	Total 0.8556	C6+ 3.2176
Calculated Molecular Weight	24.67	93.19
Compressibility Factor	0.9951	

### GPA 2172 Calculation:

#### Calculated Gross BTU per ft<sup>3</sup> @ 14.696 psia & 60°F

Real Gas Dry BTU	1346	5129
Water Sat. Gas Base BTU	1323	5040
Ideal, Gross HV - Dry at 14.696 psia	1339.6	5129.2
Ideal, Gross HV - Wet	1315.9	5039.7

**Comments:** H2S Field Content 3.0 %

Hydrocarbon Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

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Yeso Oil Produceers	Well	qo (bpd)	qg (Mcfpd)	GOR (SCF/STB)
	Stiletto 16-5	22	35	1591
	Stiletto 16-6	18	24	1333
	Stiletto 16-7	8	32	4000
	Stiletto 16-8	17	32	1882
	Stiletto 16-9	13	39	3000
	Stiletto 21-3	8	17	2125
		Ave.		2322
	Simmenatl#1	8	19	2322

District I  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-129  
Revised August 1, 2011

Submit one copy to appropriate  
District Office

NFO Permit No. \_\_\_\_\_  
(For Division Use Only)

## APPLICATION FOR EXCEPTION TO NO-FLARE RULE 19.15.18.12

(See Rule 19.15.18.12 NMAC and Rule 19.15.7.37 NMAC)

- A. Applicant Americo Energy, LLC,  
whose address is 7575 San Felipe, STE 200, Houston, TX 77063,  
hereby requests an exception to Rule 19.15.18.12 for 90 days or until  
JANUARY 1, Yr 2025, for the following described tank battery (or LACT):  
Name of Lease Simmental Name of Pool N, Seven Rivers; Glorieta-Yeso  
Location of Battery: Unit Letter G Section 22 Township 20S Range 25E  
Number of wells producing into battery 1 30-015-33230
- B. Based upon oil production of 10 barrels per day, the estimated \* volume  
of gas to be flared is 40 MCF; Value 0 per day.
- C. Name and location of nearest gas gathering facility:  
Stiletto '21' Federal Com #3H, 32°33'54.84"N, 104°29'18.66"W
- D. Distance 1.09 mile Estimated cost of connection \$180,000
- E. This exception is requested for the following reasons: Cannot sell sour gas in a sweet pipeline, would like to begin flaring 8-20-2024

### OPERATOR

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature 

Printed Name  
& Title Vahid Sabzevari, Production Eng.

E-mail Address vahid.sabzevari@americoenergy.com

Date 8/19/2024 Telephone No. 713.984.9700

### OIL CONSERVATION DIVISION

Approved Until \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

\* Gas-Oil ratio test may be required to verify estimated gas volume.

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DEFINITIONS

Action 375033

DEFINITIONS

Operator: AMERICO ENERGY RESOURCES LLC 7575 San Felipe Houston, TX 77063	OGRID: 228051
	Action Number: 375033
	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 375033

QUESTIONS

Operator: AMERICO ENERGY RESOURCES LLC 7575 San Felipe Houston, TX 77063	OGRID: 228051
	Action Number: 375033
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

<b>Prerequisites</b> 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	[30-015-33230] SIMMENTAL #001
Incident Facility	Unavailable.

<b>Determination of Reporting Requirements</b> 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	No
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, answer to "eight hours or more" suggests this is at least a minor event.
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	No
Did this vent or flare result in the release of ANY 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Well
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	66
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5,400
Carbon Dioxide (C02) 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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2  
Action 375033

QUESTIONS (continued)

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	Action Number: 375033
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/01/2021
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 AM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Normal Operations   Well   Natural Gas Flared   Released: 40 Mcf   Recovered: 0 Mcf   Lost: 40 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	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

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	well makes 40 mcf H2S per day. Can not sell sour gas in a sweet gas line.
Steps taken to limit the duration and magnitude of vent or flare	we are only flaring what the well makes.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	will only flare what the well makes per day.



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ACKNOWLEDGMENTS  
  
Action 375033

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	Action Number: 375033
	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

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CONDITIONS

Created By	Condition	Condition Date
vsabzevari	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.	8/19/2024