

Analysis Certificate Report

Lucid Energy Group-PURCHASER

7/16/2021 5:04 AM

3100 McKinnon St #800
Dallas, TX 75201

PGAS Admin

Analysis ID: 51953 Alternate ID: Use Contract Values: No

Name SHERMAN 4 FEE 4H Company Name: Lucid Energy Group

Effective Date:	01/01/2021 08:00	Saturated HV:	1269.1	Sample Date:	01/27/2021
Valid Thru Date:	12/31/2078 00:00	As Del. HV:	1285.4	Sample ID:	6030-21020033-009A
Fixed Edit Date:	01/01/1900 00:00	Dry HV:	1290.1	Sample Type:	Spot
Last Update:	02/08/2021 08:10	Measured HV:	1290.1	Sample Pressure Base:	14.730
Data Acquisition:		WOBBE:	1445.1	Sample Temperature:	60.0
Data Source:	Lab Analysis	Water Content:	0.4	Sample Pressure:	69.0
Real Relative Density:	0.7970	Status:	Active	Lab Code:	

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>	Dry Gravity	Saturated Gravity
Methane	68.6522			
Ethane	15.6319	4.1976		
Propane	6.3675	1.7614		
I Butane	0.7937	0.2608		
N Butane	1.3656	0.4323		
I Pentane	0.4577	0.1681		
N Pentane	0.2211	0.0805		
Hexanes +	0.7069	0.3097		

Nitrogen	1.1706
CO2	2.2506
Oxygen	0.0000
H2O	0.3900
CO	0.0000
H2S	1.9922
Hydrogen	0.0000
Helium	0.0000
Argon	0.0000

Total	100.0000	7.2104
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Sample Comments:

Configuration Comments:

Name of well or facility	Lat	Long	Daily Volume of Flared Natural Gas (MCF/D)	Commencement	Duration	Proposed Remedy
SHELBY 23 TANK BATTERY	32.636495	-104.449015	1655 MCF/D	7/23/2021	Continuous	ACO Requested
ROSS RANCH 09.13.14 BATTERY	32.636187	-104.47781	1480 MCF/D	7/23/2021	Continuous	ACO Requested
OSAGE BOYD 15 FED 09.12.13.14 TANK BATTERY	32.652839	-104.478905	984 MCF/D	7/23/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM NORTH BATTERY	32.625808	-104.469155	2623 MCF/D	7/23/2021	Continuous	ACO Requested
LAKEWOOD FEDERAL COM SOUTH BATTERY	32.608649	-104.479201	1757 MCF/D	7/23/2021	Continuous	ACO Requested
DORAMI 33 FEDERAL COM 2H.4H.9H TANK BATTERY	32.614416	-104.478493	795 MCF/D	7/23/2021	Continuous	ACO Requested
HUBER 10, 11, 12 FEDERAL OIL TANK BATTERY	32.610648	-104.472851	805 MCF/D	7/23/2021	Continuous	ACO Requested
CLYDESDALE 1 FEE 6H TANK BATTERY	32.686736	-104.4301336	778 MCF/D	7/23/2021	Continuous	Gas Rerouted
MORRIS BOYD TANK BATTERY	32.6250267	-104.4488373	1200 MCF/D	7/23/2021	Continuous	Gas Rerouted
GOODMAN 22 TANK BATTERY	32.652759	-14.474246	1614 MCF/D	7/23/2021	Continuous	Gas Rerouted
PAINT 32 FEE OIL TANK BATTERY	32.7032661	-104.4124146	424 MCF/D	7/23/2021	Continuous	Gas Rerouted
B&B ROSS RANCH TANK BATTERY	32.648389	-104.471283	731 MCF/D	7/23/2021	Continuous	Gas Rerouted
CLYDESDALE 1 FEE 1H TANK BATTERY	32.6961899	-104.430336	207 MCF/D	7/23/2021	Continuous	Gas Rerouted
PATTON 5 FEE 8H TANK BATTERY	32.6836929	-104.4117508	80 MCF/D	7/23/2021	Continuous	Gas Rerouted
BONE YARD 11 FEE TANK BATTERY	32.5957685	-104.4593576	178 MCF/D	7/23/2021	Continuous	Gas Rerouted
STONEWALL 9 FEE 1H TANK BATTERY	32.6687469	-104.3944321	208 MCF/D	7/23/2021	Continuous	Gas Rerouted
ROSE 02.03.04.05.06 TANK BATTERY	32.680563	-104.427371	537 MCF/D	7/23/2021	Continuous	Gas Rerouted
SHERMAN 4 FEE 4H TANK BATTERY	32.682972	-104.3817902	145 MCF/D	7/23/2021	Continuous	Gas Rerouted
FALABELLA 31 FEE 1H TANK BATTERY	32.6976433	-104.4286118	171 MCF/D	7/23/2021	Continuous	Gas Rerouted
PINTO 36 STATE COM 1H TANK BATTERY	32.6977425	-104.4458389	233 MCF/D	7/23/2021	Continuous	Gas Rerouted
PINTO 36 STATE COM 4H TANK BATTERY	32.6976662	-104.4332275	201 MCF/D	7/23/2021	Continuous	Gas Rerouted
BRADLEY 8 FEE 3H TANK BATTERY	32.6683922	-104.428483	213 MCF/D	7/23/2021	Continuous	Gas Rerouted
OKLAHOMA 32 TANK BATTERY	32.7107811	-104.4011078	235 MCF/D	7/23/2021	Continuous	Gas Rerouted
OSAGE BOYD YESO TANK BATTERY	32.6590958	-104.4747391	547 MCF/D	7/23/2021	Continuous	Gas Rerouted
MORRIS 26 E & F TANK BATTERY	32.6335297	-104.460624	284 MCF/D	7/23/2021	Continuous	Gas Rerouted
TARPAN 33 FEE 1H TANK BATTERY	32.6975594	-104.3929749	104 MCF/D	7/23/2021	Continuous	Gas Rerouted
SHERMAN 4 FEE 6H TANK BATTERY	32.6829758	-104.3882675	120 MCF/D	7/23/2021	Continuous	Gas Rerouted
STONEWALL 9 FEE 8H TANK BATTERY	32.66831366	-104.3796728	117 MCF/D	7/23/2021	Continuous	Gas Rerouted
BRADLEY 8 FEE 2H TANK BATTERY	32.6684265	-104.4068375	109 MCF/D	7/23/2021	Continuous	Gas Rerouted
HUBER 3 FEDERAL TANK BATTERY	32.6087456	-104.4661942	148 MCF/D	7/23/2021	Continuous	Gas Rerouted
HUBER 5 FEDERAL TANK BATTERY	32.5952148	-104.4748154	87 MCF/D	7/23/2021	Continuous	Gas Rerouted
TEXAS 32 FEE TANK BATTERY	32.710804	-104.4096985	107 MCF/D	7/23/2021	Continuous	Gas Rerouted
MAYARO 22 STATE TANK BATTERY	32.814968	-104.161609	208 MCF/D	7/23/2021	Continuous	Gas Rerouted
MARACAS 22 STATE TANK BATTERY	32.8214569	-104.1570282	136 MCF/D	7/23/2021	Continuous	Gas Rerouted
ALASKA 29 FEE TANK BATTERY	32.7180519	-104.4055335	81 MCF/D	7/23/2021	Continuous	Gas Rerouted
GRAVE DIGGER STATE COM 8H TANK BATTERY	32.59576569	-104.4588697	78 MCF/D	7/23/2021	Continuous	Gas Rerouted
PATTON 5 FEE 2H TANK BATTERY	32.6943321	-104.4119949	80 MCF/D	7/23/2021	Continuous	Gas Rerouted

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 37775

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 37775
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS**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 or is this venting or flaring caused by an emergency or malfunction	No
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting or flaring	Yes, answer to "eight hours or more" suggests this is at least a minor event.
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.12.297 NMAC.	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	No
Did this venting or flaring 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

Unregistered Facility Site

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	Sherman 4 Fee 4H Tank Battery
Facility Type	Tank Battery - (TB)

Equipment Involved

Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	69
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	19,922
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.

Date(s) and Time(s)

Date venting or flaring was discovered or commenced	07/23/2021
Time venting or flaring was discovered or commenced	12:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/24/2021
Time venting or flaring was terminated	12:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	24
Longest duration of cumulative hours within any 24-hour period 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: Midstream Scheduled Maintenance Other (Specify) Natural Gas Flared Spilled: 0 Mcf Recovered: 0 Mcf Lost: 0 Mcf
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	145 mcf/day flared. "Was there or will there be at least 50 mcf of natural gas vented or flared during this event" doesn't seem to work when marked yes. Yes, there was over 50 mcf flared during this event.
Is this a gas only submission (i.e. only Mcf values reported)	More volume information must be supplied to determine if this will be treated as a "gas only" report.

Venting or Flaring Resulting from Downstream Activity

Was or is this venting or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

Steps and Actions to Prevent Waste	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Midstream scheduled turn around.
Steps taken to limit the duration and magnitude of venting or flaring	Sold to another 3rd party where possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Rerouted gas to other midstream companies as capacity allowed.

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	Action Number: 37775
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	7/26/2021