



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: LG2021121
Cust No: 46600-11765

Well/Lease Information

Customer Name: LOGOS OPERATING LLC	Source: FLOWBACK SEPARATOR
Well Name: OMEGA 5H; FB SEP	Well Flowing: Y
County/State:	Pressure: 99 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA:	Ambient Temp: DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.:	Sample Method: Purge & Fill
CC#	Sample Date: 06/11/2021
	Sample Time: 5.00 AM
	Sampled By: TRAVIS K.
	Sampled by (CO):

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	43.6915	43.3269	4.8190	0.00	0.4226
CO2	0.3546	0.3516	0.0610	0.00	0.0054
Methane	34.9535	34.6619	5.9400	353.03	0.1936
Ethane	7.7748	7.7099	2.0840	137.59	0.0807
Propane	7.6137	7.5502	2.1030	191.57	0.1159
Iso-Butane	1.0044	0.9960	0.3290	32.66	0.0202
N-Butane	2.6389	2.6169	0.8340	86.09	0.0530
I-Pentane	0.5938	0.5888	0.2180	23.76	0.0148
N-Pentane	0.5557	0.5511	0.2020	22.28	0.0138
Hexane Plus	0.8191	0.8123	0.3660	43.18	0.0271
Total	100.0000	99.1656	16.9560	890.15	0.9471

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0027	CYLINDER #:	4034
BTU/CU.FT IDEAL:	892.2	CYLINDER PRESSURE:	80 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	894.6	ANALYSIS DATE:	06/11/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	879.0	ANALYSIS TIME:	10:11:13 AM
DRY BTU @ 15.025:	912.5	ANALYSIS RUN BY:	SHYANN GALLEGOS
REAL SPECIFIC GRAVITY:	0.9493		

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500 Last Cal/Verify: 06/11/2021

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease: OMEGA 5H; FB SEP FLOWBACK SEPARATOR 06/11/2021
 Stn. No.: 46600-11765
 Mtr. No.: CC#

Smpl Date:	06/11/2021	06/10/2021	06/09/2021	06/08/2021	06/07/2021	06/06/2021	06/05/2021
Test Date:	06/11/2021	06/10/2021	06/09/2021	06/08/2021	06/07/2021	06/06/2021	06/05/2021
Run No:	LG2021121	LG2021117	LG2021113	LG2021109	LG2021105	LG2021098	LG2021095
Nitrogen:	43.6915	49.9700	52.7866	54.7584	57.4048	59.0133	62.0077
CO2:	0.3546	0.3485	0.3131	0.3671	0.2701	0.2795	0.2601
Methane:	34.9535	33.1260	31.4566	30.0904	28.1650	26.6079	24.5295
Ethane:	7.7748	6.9464	6.4218	5.9324	5.5747	5.5326	5.0282
Propane:	7.6137	5.8776	5.4969	5.1722	4.9198	4.9857	4.6029
I-Butane:	1.0044	0.6825	0.6547	0.6413	0.6178	0.6131	0.5789
N-Butane:	2.6389	1.7880	1.6827	1.6899	1.6539	1.6772	1.6124
I-Pentane:	0.5938	0.3824	0.3701	0.3997	0.3952	0.3844	0.3851
N-Pentane:	0.5557	0.3671	0.3572	0.3960	0.3944	0.3774	0.3829
Hexane+:	0.8191	0.5115	0.4603	0.5526	0.6043	0.5289	0.6123
BTU:	894.6	746.2	702.2	678.9	647.1	627.6	589.3
GPM:	16.9560	15.9680	15.6680	15.5040	15.2850	15.1700	14.9080
SPG:	0.9493	0.9204	0.9216	0.9285	0.9347	0.9394	0.9463
	06/04/2021	06/03/2021					
	06/04/2021	06/04/2021					
	LG2021093	LG2021092					
	64.6671	65.0590					
	0.2364	0.2220					
	22.6239	22.3865					
	4.6014	4.5332					
	4.3654	4.2913					
	0.5774	0.5675					
	1.5728	1.5541					
	0.3828	0.3858					
	0.3815	0.3876					
	0.5913	0.6130					
	553.7	548.8					
	14.6660	14.6360					
	0.9514	0.9522					

LOGOS Operating, LLC
Omega 2308 03 Com 005H
Flared Meter 11962
API: 30-045-38180
Unit H, Section 03, T23N R08W
36.258172, -107.660913 NAD 83

OMEGA 2308 03 FED COM 5H FLARE METER					11962
Date ▼	Gas Flowed	Differential	Static Pressure Psia	Gas Temp	
6/17/2021	0.00	0	0	60	
6/16/2021	1,736.06	0	0	60	
6/15/2021	1,778.20	0	0	60	
6/14/2021	1,896.21	0	0	60	
6/13/2021	1,843.20	0	0	60	
6/12/2021	1,500.40	0	0	60	
6/11/2021	1,867.00	0	0	60	
6/10/2021	1,914.00	0	0	60	
6/9/2021	2,093.00	0	0	60	
6/8/2021	2,403.00	0	0	60	
6/7/2021	2,588.00	0	0	60	
6/6/2021	2,757.00	0	0	60	
6/5/2021	2,287.00	0	0	60	
6/4/2021	1,258.00	0	0	60	
6/3/2021	0.00	0	0	60	
6/2/2021	0.00	0	0	60	

LOGOS Operating, LLC
Omega 2308 03 Com 001H, 002H, 004H & 005H
PAD
API: 30-045-38180
Unit H, Section 03, T23N R08W
36.258172, -107.660913 NAD83

SENE

Omega 2308 03 Com 001H, 002H, 004H & 005H

23N 8W

Google Earth

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300 ft



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 34790

QUESTIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 34790
	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, major venting or flaring of natural gas.
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 19.13.29.7 NMAC.	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
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	Omega 2308 03 Com 005H
Facility Type	Flare Stack - (FS)

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	35
Nitrogen (N2) percentage, if greater than one percent	44
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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	06/11/2021
Time venting or flaring was discovered or commenced	05:00 AM
Is the venting or flaring event complete	No
Date venting or flaring was terminated	Not answered.
Time venting or flaring was terminated	Not answered.
Total duration of venting or flaring in hours, if venting or flaring has terminated	Not answered.
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: Other Separator Natural Gas Flared Spilled: 1,500 Mcf Recovered: 0 Mcf Lost: 1,500 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 Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity

Was or is this venting or flaring a result of downstream activity	No
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	Drilling and Completion operations were completed. The Nitrogen content level was above Harvest pipeline standards.
Steps taken to limit the duration and magnitude of venting or flaring	Utilizing separator on location and pipeline is currently installed ready to flow downline once N2 content level is acceptable per Harvest standards.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Utilizing separator on location and pipeline is currently installed ready to flow downline once N2 content level is acceptable per Harvest standards.

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CONDITIONS

Action 34790

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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 34790
	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.	7/2/2021