



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

Analysis No: LG2021132
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: 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: 06/14/2021
	Sample Time: 7.06 AM
	Sampled By: TRAVIS K.
	Sampled by (CO):

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	38.9056	39.0562	4.2920	0.00	0.3763
CO2	0.3623	0.3637	0.0620	0.00	0.0055
Methane	39.4829	39.6358	6.7110	398.78	0.2187
Ethane	8.1818	8.2135	2.1940	144.79	0.0849
Propane	7.3941	7.4227	2.0420	186.04	0.1126
Iso-Butane	0.9635	0.9672	0.3160	31.33	0.0193
N-Butane	2.5387	2.5485	0.8020	82.82	0.0509
I-Pentane	0.6197	0.6221	0.2270	24.79	0.0154
N-Pentane	0.5967	0.5990	0.2170	23.92	0.0149
Hexane Plus	0.9547	0.9584	0.4270	50.32	0.0316
Total	100.0000	100.3871	17.2900	942.80	0.9302

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0029	CYLINDER #:	5020
BTU/CU.FT IDEAL:	945.0	CYLINDER PRESSURE:	93 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	947.7	ANALYSIS DATE:	06/14/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	931.2	ANALYSIS TIME:	10:05:09 AM
DRY BTU @ 15.025:	966.7	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.9325		

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: 06/14/2021

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

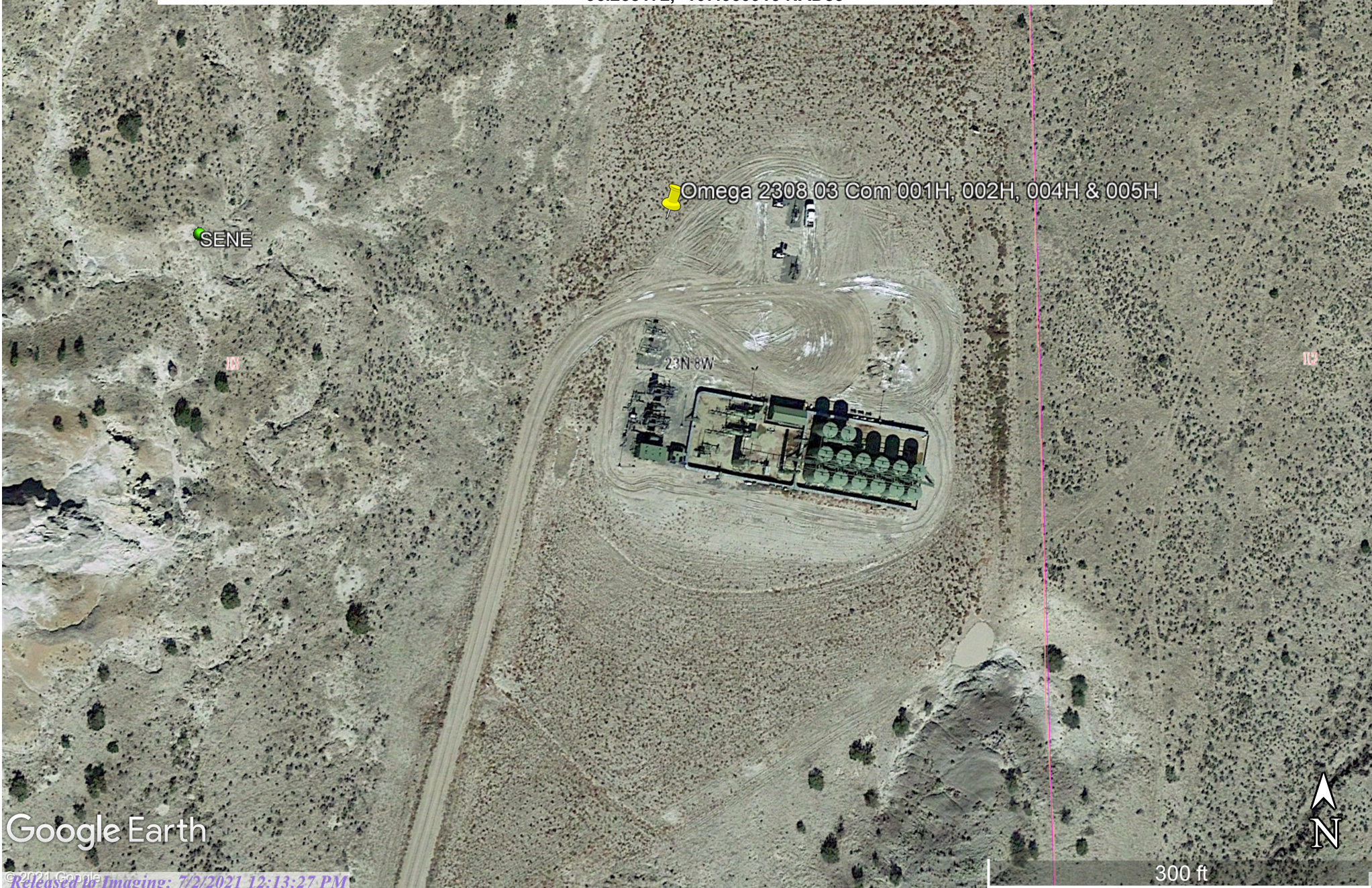
Lease: OMEGA 5H; FB SEP FLOWBACK SEPARATOR 06/14/2021
 Stn. No.: 46600-11765
 Mtr. No.: CC#

Smpl Date:	06/14/2021	06/13/2021	06/12/2021	06/11/2021	06/10/2021	06/09/2021	06/08/2021
Test Date:	06/14/2021	06/13/2021	06/13/2021	06/11/2021	06/10/2021	06/09/2021	06/08/2021
Run No:	LG2021132	LG2021123	LG2021122	LG2021121	LG2021117	LG2021113	LG2021109
Nitrogen:	38.9056	42.9609	44.7788	43.6915	49.9700	52.7866	54.7584
CO2:	0.3623	0.3358	0.3332	0.3546	0.3485	0.3131	0.3671
Methane:	39.4829	36.8201	34.8534	34.9535	33.1260	31.4566	30.0904
Ethane:	8.1818	7.5338	7.4206	7.7748	6.9464	6.4218	5.9324
Propane:	7.3941	6.9693	7.1616	7.6137	5.8776	5.4969	5.1722
I-Butane:	0.9635	0.9331	0.9690	1.0044	0.6825	0.6547	0.6413
N-Butane:	2.5387	2.4246	2.5078	2.6389	1.7880	1.6827	1.6899
I-Pentane:	0.6197	0.5984	0.5935	0.5938	0.3824	0.3701	0.3997
N-Pentane:	0.5967	0.5792	0.5639	0.5557	0.3671	0.3572	0.3960
Hexane+:	0.9547	0.8448	0.8182	0.8191	0.5115	0.4603	0.5526
BTU:	947.7	886.1	870.6	894.6	746.2	702.2	678.9
GPM:	17.2900	16.8760	16.7840	16.9560	15.9680	15.6680	15.5040
SPG:	0.9325	0.9357	0.9451	0.9493	0.9204	0.9216	0.9285
	06/07/2021	06/06/2021	06/05/2021	06/04/2021	06/03/2021		
	06/07/2021	06/06/2021	06/05/2021	06/04/2021	06/04/2021		
	LG2021105	LG2021098	LG2021095	LG2021093	LG2021092		
	57.4048	59.0133	62.0077	64.6671	65.0590		
	0.2701	0.2795	0.2601	0.2364	0.2220		
	28.1650	26.6079	24.5295	22.6239	22.3865		
	5.5747	5.5326	5.0282	4.6014	4.5332		
	4.9198	4.9857	4.6029	4.3654	4.2913		
	0.6178	0.6131	0.5789	0.5774	0.5675		
	1.6539	1.6772	1.6124	1.5728	1.5541		
	0.3952	0.3844	0.3851	0.3828	0.3858		
	0.3944	0.3774	0.3829	0.3815	0.3876		
	0.6043	0.5289	0.6123	0.5913	0.6130		
	647.1	627.6	589.3	553.7	548.8		
	15.2850	15.1700	14.9080	14.6660	14.6360		
	0.9347	0.9394	0.9463	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



Google Earth

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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 34802

QUESTIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408 Action Number: 34802 Action Type: [C-129] Venting and/or Flaring (C-129)
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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	39
Nitrogen (N2) percentage, if greater than one percent	39
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	06/14/2021
Time venting or flaring was discovered or commenced	07:06 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: 1,778 Mcf Recovered: 0 Mcf Lost: 1,778 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 34802

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 34802
	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