



Certificate of Analysis
 Number: 6030-21050073-008A

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

Tyler Cox
 EOG Resources
 1201 S. 3rd St
 Jal, NM 88252

May 12, 2021

Station Name: Foghorn/Leghorn 32 St Ctb Ck To Dcp
 Station Number: 67339151
 Cylinder No: 5030-01965
 Instrument: 6030_GC6 (Inficon GC-3000 Micro)
 Last Inst. Cal.: 05/03/2021 0:00 AM
 Analyzed: 05/12/2021 08:47:45 by KNF

Sampled By: Zane Nikkila
 Sample Of: Gas Spot
 Sample Date: 05/05/2021 10:54
 Sample Conditions: 469 psia, @ 93 °F
 Effective Date: 05/05/2021 10:54
 Method: GPA-2261M

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia	
Water	0.0000	0.1909	0.1460		GPM TOTAL C2+ 4.455
Hydrogen Sulfide	0.0000	0.0400	0.0579		GPM TOTAL C3+ 2.167
Nitrogen	2.7207	2.7566	3.2773		GPM TOTAL IC5+ 0.540
Carbon Dioxide	11.5663	11.7191	21.8885		
Methane	68.8875	69.7970	47.5209		
Ethane	8.4156	8.5268	10.8813	2.2882	
Propane	3.9343	3.9863	7.4600	1.1020	
Iso-butane	0.4784	0.4847	1.1956	0.1592	
n-Butane	1.1412	1.1563	2.8523	0.3658	
Iso-pentane	0.3277	0.3321	1.0169	0.1219	
n-Pentane	0.3227	0.3270	1.0013	0.1189	
Hexanes Plus	0.6743	0.6832	2.7020	0.2991	
	98.4687	100.0000	100.0000	4.4551	

Physical Properties	Total	C6+		
Relative Density Real Gas	0.8162	3.2176		
Calculated Molecular Weight	23.56	93.19		
Compressibility Factor	0.9963			
GPA 2172 Calculation:			03/11/21	09/22/20
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F				
Real Gas Dry BTU	1079.77	5141.09	1071.30	1024.60
Water Sat. Gas Base BTU	1061.41	5051.61	1053.07	1007.17
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F				
Real Gas Dry BTU	1073.89	5113.17	1065.46	1019.02
Water Sat. Gas Base BTU	1055.52	5023.69	1047.23	1001.58

Comments: H2S Field Content 400 ppm
 C6+ Composition Group Properties (assumed): C6 - 60.00%, C7 - 30.00%, C8 - 10.00%

Report generated by: Eric Ramirez

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

HOURLY GAS VOLUME STATEMENT

EOG Resources, Inc.

May 25, 2021

Meter #: 67339156

Name: FOGHORN/LEGHORN 32 ST CTB HP FL

Pressure Base:	Meter Status:		<u>CO2</u>	<u>N2</u>	<u>C1</u>	<u>C2</u>	<u>C3</u>	<u>I-C4</u>	<u>N-C4</u>	<u>I-C5</u>
Temperature Base:	Contract Hr.:	9 AM	11.719	2.757	69.797	8.527	3.986	0.485	1.156	0.332
Atmos Pressure:	Full Wellstream:		<u>N-C5</u>	<u>NeoC5</u>	<u>C6</u>	<u>C7</u>	<u>C8</u>	<u>C9</u>	<u>C10</u>	
Calc Method:	WV Technique:		0.327		0.683					
Z Method:	WV Method:									
Tap Location:	HV Cond:	Wet	<u>O2</u>	<u>H2</u>	<u>CO</u>	<u>He</u>	<u>Ar</u>	<u>H2S</u>	<u>H2S ppm</u>	<u>H2O</u>
Tap Type:	Meter Type:	EFM	0.000	0.000		0.000		0.0400	400.000	0.191
	Interval:	1 Hour								

Hour	Differential (In. H2O)	Pressure (psi)	Temp. (°F)	Flow Time (hrs)	Relative Density	Plate (inches)	Volume (Mcf)	Heating Value ()	Energy (MMBtu)	Edited
0	1.02	221.13	66.75	1.00	0.8162	2.2500	17.417	1061.41	18.486	Yes
1	1.22	221.14	66.57	1.00	0.8162	2.2500	19.061	1061.41	20.232	Yes
2	1.48	220.85	65.94	1.00	0.8162	2.2500	21.007	1061.41	22.297	Yes
3	1.54	220.01	65.57	1.00	0.8162	2.2500	21.362	1061.41	22.674	Yes
4	1.53	219.56	65.45	1.00	0.8162	2.2500	21.285	1061.41	22.592	Yes
5	1.53	219.97	66.84	1.00	0.8162	2.2500	21.231	1061.41	22.534	Yes
6	1.51	219.34	66.80	0.25	0.8162	2.2500	5.188	1061.41	5.507	Yes
7	0.00	212.05	69.11	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
8	0.00	210.19	76.65	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
9	0.00	200.80	88.46	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
10	0.00	201.42	98.46	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
11	0.00	203.79	106.70	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
12	0.00	206.54	112.21	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
13	0.00	198.66	116.97	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
14	0.00	134.17	119.29	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
15	0.00	129.42	120.77	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
16	0.00	139.05	118.82	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
17	0.00	136.68	115.82	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
18	0.00	133.43	109.74	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
19	0.00	130.85	95.23	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
20	0.00	159.15	84.46	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
21	0.00	221.61	77.62	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
22	0.00	220.89	73.86	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
23	0.00	220.46	71.89	0.00	0.8162	2.2500	0.000	1061.41	0.000	Yes
Total	1.41	220.36	66.19	6.25	0.8162		126.551		134.322	

District I
1625 N. French Dr., Hobbs, NM 88240
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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 29853

QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 29853
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was or is this venting or flaring caused by an emergency or malfunction	Yes
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a notification of a major venting or flaring	Yes, minor 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 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	
<i>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.</i>	
Facility or Site Name	Not answered.
Facility Type	Not answered.

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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	69
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	12
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	05/25/2021
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	05/25/2021
Time venting or flaring was terminated	06:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	6
Longest duration of cumulative hours within any 24-hour period during this event	6

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Spilled: 127 Mcf Recovered: 0 Mcf Lost: 127 Mcf]
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	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	
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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	Event was caused by outside source(s) which EOG does not have direct control over
Steps taken to limit the duration and magnitude of venting or flaring	Monitor in real time and verify with 3rd party vendor is responding to downtime event
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Corrective actions are not in our control and reliant on outside source(s)

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CONDITIONS
 Action 29853

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 29853
	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.	5/28/2021