



Certificate of Analysis

Number: 6030-21050039-002A

Artesia Laboratory

200 E Main St.
Artesia, NM 88210
Phone 575-746-3481Tyler Cox
EOG Resources
1201 S. 3rd St
Jal, NM 88252

May 07, 2021

Station Name: Persimmon 24 Sc 201h To Targa Ck
Station Number: 11024951
Cylinder No: 5030-03856
Instrument: 70104251 (Inficon GC-MicroFusion)
Last Inst. Cal.: 05/03/2021 0:00 AM
Analyzed: 05/07/2021 13:22:00 by KJMSampled By: Zane Nikkila
Sample Of: Gas Spot
Sample Date: 04/29/2021 14:26
Sample Conditions: 67 psia, @ 44 °F
Effective Date: 04/29/2021 14:26
Method: GPA-2261M

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia	
Water	0.0000	0.2218	0.1617		GPM TOTAL C2+ 3.986
Hydrogen Sulfide	0.0000	0.4000	0.5515		GPM TOTAL C3+ 1.745
Nitrogen	3.5833	3.5619	4.0369		GPM TOTAL IC5+ 0.277
Carbon Dioxide	17.7458	17.6397	31.4082		
Methane	64.4027	64.0176	41.5505		
Ethane	8.4012	8.3510	10.1592	2.2409	
Propane	3.7904	3.7678	6.7218	1.0415	
Iso-butane	0.4084	0.4060	0.9547	0.1333	
n-Butane	0.9325	0.9269	2.1796	0.2932	
Iso-pentane	0.2382	0.2368	0.6912	0.0869	
n-Pentane	0.2235	0.2222	0.6486	0.0808	
Hexanes Plus	0.2498	0.2483	0.9361	0.1087	
	99.9758	100.0000	100.0000	3.9853	

Physical Properties

	Total	C6+
Relative Density Real Gas	0.8562	3.2176
Calculated Molecular Weight	24.72	93.19
Compressibility Factor	0.9964	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

			02/24/21	08/13/20
Real Gas Dry BTU	974.14	5141.09	981.03	1002.45
Water Sat. Gas Base BTU	957.55	5051.61	964.32	985.41

Calculated Gross BTU per ft³ @ 14.65 psia & 60°F

Real Gas Dry BTU	968.83	5113.17	975.68	996.98
Water Sat. Gas Base BTU	952.23	5023.69	958.97	979.94

Comments: H2S Field Content 4000 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 #: 11024956

Name: PERSIMMON 24 SC 201H HP FL

Pressure Base:	Meter Status:		CO2	N2	C1	C2	C3	I-C4	N-C4	I-C5
Temperature Base:	Contract Hr.:	9 AM	17.640	3.562	64.018	8.351	3.768	0.406	0.927	0.237
Atmos Pressure:	Full Wellstream:		N-C5	NeoC5	C6	C7	C8	C9	C10	
Calc Method:	WV Technique:		0.222		0.248					
Z Method:	WV Method:		O2	H2	CO	He	Ar	H2S	H2S ppm	H2O
Tap Location:	HV Cond:	Wet	0.000	0.000		0.000		0.4000	4000.000	0.222
Tap Type:	Meter Type:	EFM								
	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	0.00	77.33	68.59	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
1	0.00	73.35	66.87	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
2	0.00	72.73	66.05	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
3	0.00	72.56	64.76	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
4	0.00	71.31	65.44	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
5	0.00	71.34	66.66	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
6	0.00	71.74	64.59	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
7	0.00	71.16	70.65	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
8	0.00	74.40	82.08	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
9	0.00	79.20	89.54	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
10	0.00	83.32	98.83	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
11	0.00	88.50	105.06	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
12	34.27	176.63	86.18	0.16	0.8562	2.2500	14.576	957.55	13.958	Yes
13	24.97	174.58	81.46	0.99	0.8562	2.2500	76.749	957.55	73.491	Yes
14	24.12	173.71	82.34	1.00	0.8562	2.2500	75.790	957.55	72.573	Yes
15	24.08	173.20	82.45	1.00	0.8562	2.2500	75.606	957.55	72.396	Yes
16	24.48	172.88	81.89	1.00	0.8562	2.2500	76.172	957.55	72.938	Yes
17	24.45	172.49	80.03	1.00	0.8562	2.2500	76.195	957.55	72.960	Yes
18	24.93	172.14	77.76	1.00	0.8562	2.2500	77.008	957.55	73.739	Yes
19	23.45	171.43	73.83	1.00	0.8562	2.2500	74.876	957.55	71.698	Yes
20	24.95	170.91	70.98	1.00	0.8562	2.2500	77.281	957.55	74.001	Yes
21	24.21	170.70	70.48	1.00	0.8562	2.2500	76.153	957.55	72.921	Yes
22	23.77	170.56	69.30	1.00	0.8562	2.2500	75.528	957.55	72.322	Yes
23	24.63	170.46	68.44	1.00	0.8562	2.2500	76.852	957.55	73.590	Yes
Total	24.54	172.17	76.43	11.15	0.8562		852.787		816.586	

HOURLY GAS VOLUME STATEMENT

EOG Resources, Inc.

May 26, 2021

Meter #: 11024956

Name: PERSIMMON 24 SC 201H HP FL

Pressure Base:	Meter Status:		CO2	N2	C1	C2	C3	I-C4	N-C4	I-C5
Temperature Base:	Contract Hr.:	9 AM	17.640	3.562	64.018	8.351	3.768	0.406	0.927	0.237
Atmos Pressure:	Full Wellstream:		N-C5	NeoC5	C6	C7	C8	C9	C10	
Calc Method:	WV Technique:		0.222		0.248					
Z Method:	WV Method:		O2	H2	CO	He	Ar	H2S	H2S ppm	H2O
Tap Location:	HV Cond:	Wet	0.000	0.000		0.000		0.4000	4000.000	0.222
Tap Type:	Meter Type:	EFM								
	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	23.92	170.36	67.63	1.00	0.8562	2.2500	75.791	957.55	72.574	Yes
1	24.39	170.20	66.70	1.00	0.8562	2.2500	76.604	957.55	73.352	Yes
2	25.23	170.24	66.34	1.00	0.8562	2.2500	77.921	957.55	74.613	Yes
3	23.34	170.05	66.03	1.00	0.8562	2.2500	75.004	957.55	71.820	Yes
4	23.93	169.99	65.69	1.00	0.8562	2.2500	75.948	957.55	72.724	Yes
5	23.81	170.10	65.44	1.00	0.8562	2.2500	75.818	957.55	72.599	Yes
6	25.38	170.30	65.38	0.31	0.8562	2.2500	24.029	957.55	23.009	Yes
7	0.00	65.78	70.89	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
8	0.00	66.70	83.91	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
9	0.00	67.26	91.65	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
10	0.00	66.37	98.51	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
11	0.00	67.44	100.52	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
12	0.00	68.82	105.01	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
13	0.00	68.05	107.07	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
14	0.00	70.37	109.40	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
15	0.00	69.38	107.26	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
16	0.00	69.80	103.21	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
17	0.00	74.07	88.24	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
18	0.00	68.51	86.55	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
19	0.00	59.29	83.07	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
20	0.00	54.23	79.62	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
21	0.00	52.19	77.15	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
22	0.00	51.83	74.25	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
23	0.00	49.56	71.82	0.00	0.8562	2.2500	0.000	957.55	0.000	Yes
Total	24.17	170.16	66.26	6.31	0.8562		481.115		460.691	

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 29881

QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377 Action Number: 29881 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	Yes
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 19.13.297 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	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

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

Methane (CH4) percentage	64
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	18
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 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	05/26/2021
Time venting or flaring was terminated	05:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	17
Longest duration of cumulative hours within any 24-hour period during this event	17

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: High Line Pressure Pipeline (Any) Natural Gas Flared Spilled: 1,334 Mcf Recovered: 0 Mcf Lost: 1,334 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 29881

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Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 29881
	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