

Diablo Analytical BTU Report GPA 2145-16 Analysis

Sample Information


	Sample Information
Sample Name	M11 728H R2
Station Number	
Taken By	Gas Analysis Service
Operator	SYSTEM (SYSTEM)
Method Name/Type	GAS High w H2S.met
Injection Date	2021-10-12 10:46:42
Report Date	2021-10-12 10:50:25
EZReporter Configuration File	Standard Sample GAS edit SC 7-12-21.cfgx
Source Data File	2021-10-12 10-46-26 (GMT -06-00)M11 728H R-Rep2.dat
EZReporter Data File	20211012-105025-M11 728H R2.ezrx
Data Source	Agilent EZChrom Connector

Component Results

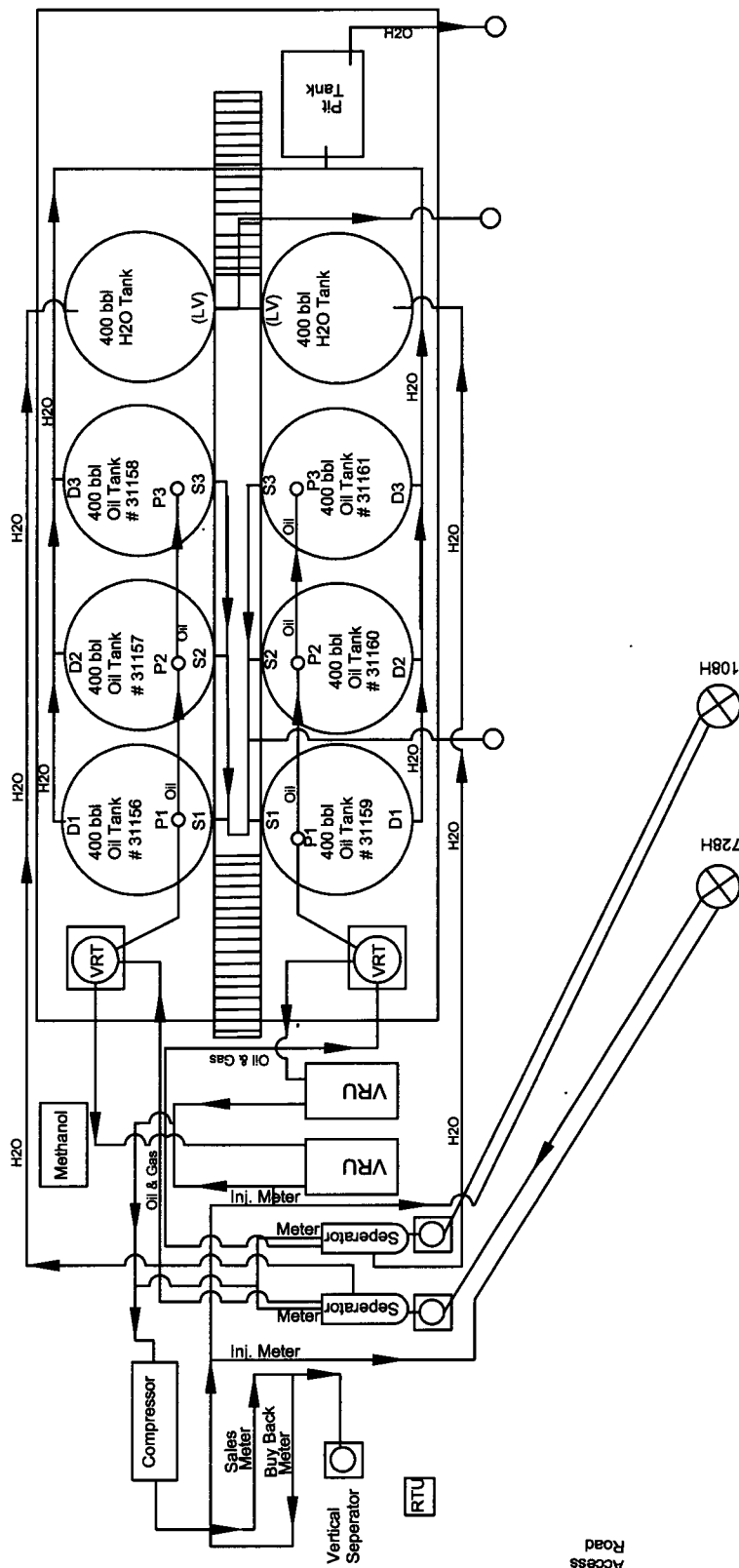
Component Name	Raw Amount	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	39.7560	42.8405	0.0	4.722
Methane	39.0586	42.0891	426.1	7.148
Carbon Dioxide	0.2630	0.2834	0.0	0.048
Ethane	6.2945	6.7829	120.3	1.817
Hydrogen Sulfide	0.0000	0.0000	0.0	0.000
Propane	4.7297	5.0967	128.5	1.407
i-Butane	0.5221	0.5626	18.3	0.184
n-Butane	1.2935	1.3939	45.6	0.440
i-Pentane	0.2738	0.2950	11.8	0.108
n-Pentane	0.2643	0.2848	11.4	0.103
Hexanes Plus	0.3444	0.3711	19.1	0.161
Total:	92.7999	100.0000	781.2	16.140

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	92.7999	
Total Normalized Mole%	100.0000	0.0000
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Flowing Temperature (Deg. F)	0.0	
Flowing Pressure (psia)	0.0	
Water Mole%	-	0.0000
Gross Heating Value (BTU / Ideal cu.ft.)	781.2	0.0
Gross Heating Value (BTU / Real cu.ft.)	782.8	0.0
Net Heating Value (BTU / Ideal cu.ft.)	710.2	0.0
Relative Density (G), Real	0.8669	0.0000
Compressibility (Z) Factor	0.9980	0.0000
Total GPM	16.140	0.000

			Flare Report			
Report created: Sunday, October 17, 2021 9:24:50 AM						
Created by: sabrinas						
Time	Facility Desc	Flow Rate	N2	Gas Flared	Gas Sold	
BTWU M11 108H						
10/8/2021 12:00:00 AM	BTWU M11 108H					
10/9/2021 12:00:00 AM	BTWU M11 108H					
10/10/2021 12:00:00 AM	BTWU M11 108H					
10/11/2021 12:00:00 AM	BTWU M11 108H					
10/12/2021 12:00:00 AM	BTWU M11 108H					
10/13/2021 12:00:00 AM	BTWU M11 108H					
10/14/2021 12:00:00 AM	BTWU M11 108H					
10/15/2021 12:00:00 AM	BTWU M11 108H		48.5			
10/16/2021 12:00:00 AM	BTWU M11 108H	1.5	45.4	0.681	0.819	Flaring
10/17/2021 12:00:00 AM	BTWU M11 108H	662.69	45.4	300.86126	361.82874	Flaring
BTWU M11 728H						
10/8/2021 12:00:00 AM	BTWU M11 728H					
10/9/2021 12:00:00 AM	BTWU M11 728H					
10/10/2021 12:00:00 AM	BTWU M11 728H	1111.9	50	555.95	555.95	
10/11/2021 12:00:00 AM	BTWU M11 728H	1895.41	50	947.705	947.705	
10/12/2021 12:00:00 AM	BTWU M11 728H	2007.44	50	1003.72	1003.72	
10/13/2021 12:00:00 AM	BTWU M11 728H	2077.96	50	1038.98	1038.98	
10/14/2021 12:00:00 AM	BTWU M11 728H	2017.9	50	1008.95	1008.95	
10/15/2021 12:00:00 AM	BTWU M11 728H	1888.95	45.4	857.5833	1031.3667	Sent to pipeline
10/16/2021 12:00:00 AM	BTWU M11 728H	1711.85	41.2	705.2822	1006.5678	
10/17/2021 12:00:00 AM	BTWU M11 728H	1555.31	41.2	640.78772	914.52228	

Combusitor

Access
Road

Surface Flow
Direction

N

DJR Operating LLC

Betonnie Tsosie Wash Unit 108H
Lease # NMNM 136161
Unit Lease # NMNM 135219X
API # 30-045-35515
T23N, R8W, Sec 11

Production Valves on the
Oil Tanks will be sealed
with the exception of the
tank being produced into.

Sales Valves on the
Oil Tanks will be sealed
with the exception of the
tank being sold.

Drain Valves on the
Oil Tanks will be sealed
with the exception of the
tank with water being drained.

Royalty Free Gas-
????? MCF / Day

District I1625 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 56438

QUESTIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 56438
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS**Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	[30-045-35514] BETONNIE TSOSIE WASH UNIT #728H
Incident Facility	Not answered.

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 and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/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 venting and/or flaring event	Yes, major venting and/or flaring of natural gas.
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/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
Was the venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved

Primary Equipment Involved	Producing Well
Additional details for Equipment Involved. Please specify	flare

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	42
Nitrogen (N2) percentage, if greater than one percent	43
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 and/or flaring was discovered or commenced	10/10/2021
Time venting and/or flaring was discovered or commenced	12:00 AM
Time venting and/or flaring was terminated	12:00 AM
Cumulative hours during this event	120

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Other Producing Well Natural Gas Flared Released: 2,706 Mcf Recovered: 0 Mcf Lost: 2,706 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	offset wellbore communication: 50% N2
Is this a gas only submission (i.e. only significant 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 and/or flaring a result of downstream activity	Yes
Was notification of downstream activity received by you or your operator	Yes
Downstream OGRID that should have notified you or your operator	[371838] DJR OPERATING, LLC
Date notified of downstream activity requiring this venting and/or flaring	09/28/2021
Time notified of downstream activity requiring this venting and/or flaring	12:00 AM

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	offset wellbore communication
Steps taken to limit the duration and magnitude of venting and/or flaring	install & monitor flare stack. flare until N2 and/or O2 are cleaned from wellbore & natural gas can meet gathering pipeline specs. Send to pipeline as soon as specs are met.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	monitor offset well communication

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CONDITIONS

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Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 56438
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
scrues76	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	10/18/2021