



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

Analysis No: DU20250505
Cust No: 23000-22375

Well/Lease Information

Customer Name:	DUGAN PRODUCTION CORP.	Source:	METER RUN
Well Name:	KR #6	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	10 PSIG
Location:		Flow Temp:	41 DEG. F
Lease/PA/CA:	NM11580	Ambient Temp:	49 DEG. F
Formation:		Flow Rate:	2 MCF/D
Cust. Stn. No.:	202A-197435	Sample Method:	Purge & Fill
	3004522691	Sample Date:	05/30/2025
	WAW GATHERING	Sample Time:	6.25 AM
Heat Trace:	N	Sampled By:	BILL FRASE
Remarks:	PRESSURED WITH HELIUM TO 30 LBS.	Sampled by (CO):	DUGAN

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5952	0.2125	0.0660	0.00	0.0058
CO2	0.2891	0.1032	0.0490	0.00	0.0044
Methane	98.6693	35.2266	16.7570	996.56	0.5465
Ethane	0.3288	0.1174	0.0880	5.82	0.0034
Propane	0.0126	0.0045	0.0030	0.32	0.0002
Iso-Butane	0.0106	0.0038	0.0030	0.34	0.0002
N-Butane	0.0104	0.0037	0.0030	0.34	0.0002
I-Pentane	0.0039	0.0014	0.0010	0.16	0.0001
N-Pentane	0.0045	0.0016	0.0020	0.18	0.0001
Hexane Plus	0.0756	0.0270	0.0340	3.98	0.0025
Total	100.0000	35.7017	17.0060	1007.70	0.5634

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.002	CYLINDER #:	4141
BTU/CU.FT IDEAL:	1010.0	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1012.1	ANALYSIS DATE:	06/16/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	994.5	ANALYSIS TIME:	11:16:39 AM
DRY BTU @ 15.025:	1032.4	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5643		

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: 06/19/2025

GC Method: C6+ Gas



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: KR #6
 Stn. No.: 202A-197435
 Mtr. No.:

METER RUN

06/19/2025
 23000-22375

Smpl Date:	05/30/2025	02/28/2024	02/13/2023	03/08/2022	03/08/2021	03/09/2020	04/12/2019
Test Date:	06/16/2025	03/05/2024	02/20/2023	03/25/2022	03/17/2021	03/30/2020	05/23/2019
Run No:	DU20250505	DU20240245	DU20230101	DU20220367	DU2021558	DU200215	DU190460
Nitrogen:	0.5952	0.5877	0.5858	0.5900	0.6100	0.6332	0.8001
CO2:	0.2891	0.3191	0.3311	0.3070	0.3123	0.2952	0.3169
Methane:	98.6693	98.7132	98.6945	98.6654	98.6689	98.6774	98.3767
Ethane:	0.3288	0.3787	0.3872	0.4003	0.4049	0.3932	0.4362
Propane:	0.0126	0.0013	0.0014	0.0040	0.0039	0.0010	0.0072
I-Butane:	0.0106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016
N-Butane:	0.0104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015
I-Pentane:	0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
N-Pentane:	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hexane+:	0.0756	0.0000	0.0000	0.0333	0.0000	0.0000	0.0598
BTU:	1012.1	1008.1	1008.0	1009.8	1008.2	1008.0	1009.1
GPM:	17.0060	16.9850	16.9870	16.9960	16.9860	16.9830	16.9960
SPG:	0.5643	0.5622	0.5623	0.5631	0.5623	0.5622	0.5650
	04/02/2018	03/16/2017	02/29/2016	02/17/2015	02/26/2014		
	04/13/2018	03/16/2017	02/29/2016	02/17/2015	02/26/2014		
	DU180427	DU170346	DU160345	DU150402	DU140318		
	0.6312	0.7020	0.7580	0.7490	0.6820		
	0.3244	0.3450	0.3010	0.3140	0.3510		
	98.6410	98.4870	98.4970	98.4820	98.2670		
	0.4017	0.3900	0.4220	0.4430	0.5390		
	0.0000	0.0070	0.0010	0.0020	0.0280		
	0.0000	0.0110	0.0000	0.0000	0.0030		
	0.0017	0.0130	0.0040	0.0000	0.0090		
	0.0000	0.0110	0.0040	0.0000	0.0030		
	0.0000	0.0000	0.0080	0.0060	0.0050		
	0.0000	0.0340	0.0050	0.0040	0.1130		
	1007.8	1009.2	1007.5	1007.3	1013.8		
	16.9860	16.9950	16.9820	16.9860	17.0320		
	0.5625	0.5645	0.5633	0.5633	0.5673		

Givens		
PSI SL (P2)	14.7	psi
Specific Heat Ratio (NG)	1.3	No units
Cd (Discharge coeff)	0.8	estimate - No units
p stp (NG)	0.0458	lbm/ft^3
Gas Constant (NG)	96.27	ft-lbf/lbm*R

Inputs	
Pipe Pressure (PSIG) (P1)	46
Pipe Inner Diameter (in)	2
Pipe Length (ft)	100
Tempurature (f)	78
Duration (sec)	3715200
Leak Hole size Diameter (in)	1

Blowdown Volume	2.18
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1: Determine if flow is choked or sub-sonic

Pressure Ratio	0.242
Critical Pres. Ratio	0.546
Area of leak (ft^2)	0.005454154
Is the flow choked?	Yes

2: Use the right mass flow equation

Choked Flow	
USE THIS	
mdot (lbm/s)	7.77E-04

Sub-sonic Flow	
DO NOT USE THIS	
mdot (lbm/s)	0.00060822

3: Multiply by time to calculate total gas lost

Choked Flow	
USE THIS	
Mass Lost (lbm)	2885.90146
Gas Lost SCF	63010.94898

Sub-sonic Flow	
DO NOT USE THIS	
Mass Lost (lbm)	2259.657
Gas Lost SCF	49337.497

Gas Loss MCF	63.0109
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 526009

DEFINITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 526009
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 526009

QUESTIONS

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	Action Number: 526009
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QUESTIONS

Prerequisites <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	[30-045-22691] K R #006
Incident Facility	Unavailable.

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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
<i>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.</i>	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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 vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Well is in NAPI area and after speaking with NAPI employees, they indicated the field was harvested on 9/25/25; indications show the combine hit the crossover while harvesting.

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	99
Nitrogen (N2) percentage, if greater than one percent	1
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
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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.

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QUESTIONS, Page 2

Action 526009

QUESTIONS (continued)

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	Action Number: 526009
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/07/2025
Time vent or flare was discovered or commenced	12:53 PM
Time vent or flare was terminated	01:00 PM
Cumulative hours during this event	1,033

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Human Error Pipeline (Any) Natural Gas Vented Released: 63 Mcf Recovered: 0 Mcf Lost: 63 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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 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 this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	NAPI harvesters hit crossover unknowingly- operator had no knowledge of the accident..
Steps taken to limit the duration and magnitude of vent or flare	The affected area of pipe was isolated to prevent further gas release.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Affected area of pipe was isolated to prevent further gas release.

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ACKNOWLEDGMENTS

Action 526009

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ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☒	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 526009

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 526009
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tmfeil	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.	11/13/2025