



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

Analysis No: DU20240945
Cust No: 23000-10755

Well/Lease Information

Customer Name:	DUGAN PRODUCTION CORP.	Source:	METER RUN
Well Name:	DOMA NAVAJO 28-22-6 #2	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	2 PSIG
Location:		Flow Temp:	62 DEG. F
Lease/PA/CA:		Ambient Temp:	62 DEG. F
Formation:		Flow Rate:	1 MCF/D
Cust. Stn. No.:	4,010	Sample Method:	Purge & Fill
	3004320447	Sample Date:	09/06/2024
		Sample Time:	9.00 AM
	RUSTY CHACRA GATHERING	Sampled By:	MARK SANDOVAL
Heat Trace:	N	Sampled by (CO):	DUGAN
Remarks:	PRESSURED WITH HELIUM TO 30 LBS.		

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9080	0.1342	0.1000	0.00	0.0088
CO2	0.0765	0.0113	0.0130	0.00	0.0012
Methane	90.6956	13.4052	15.4120	916.03	0.5024
Ethane	5.2082	0.7698	1.3960	92.17	0.0541
Propane	2.0020	0.2959	0.5530	50.37	0.0305
Iso-Butane	0.3011	0.0445	0.0990	9.79	0.0060
N-Butane	0.3708	0.0548	0.1170	12.10	0.0074
I-Pentane	0.1049	0.0155	0.0380	4.20	0.0026
N-Pentane	0.0244	0.0036	0.0090	0.98	0.0006
Hexane Plus	0.3085	0.0456	0.1380	16.26	0.0102
Total	100.0000	14.7804	17.8750	1101.89	0.6238

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0026	CYLINDER #:	1902
BTU/CU.FT IDEAL:	1104.4	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1107.3	ANALYSIS DATE:	09/16/2024
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1088.0	ANALYSIS TIME:	09:59:30 AM
DRY BTU @ 15.025:	1129.5	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.6252		

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: 09/17/2024

GC Method: C6+ Gas



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: DOME NAVAJO 28-22-6 #2
Stn. No.: 4,010
Mtr. No.: 3004320447

METER RUN

09/17/2024
23000-10755

Smpl Date:	09/06/2024	05/16/2023	05/13/2020	03/27/2019	03/15/2018	03/24/2017	02/17/2016
Test Date:	09/16/2024	05/19/2023	05/22/2020	04/10/2019	03/21/2018	03/24/2017	02/17/2016
Run No:	DU20240945	DU20230416	DU200464	DU190360	DU180382	DU170323	DU160298
Nitrogen:	0.9080	0.9439	0.9032	0.9098	0.9932	0.9630	1.0460
CO2:	0.0765	0.0547	0.0469	0.0421	0.1754	0.0840	0.1090
Methane:	90.6956	89.2942	89.2781	89.1935	89.0345	88.9011	88.8961
Ethane:	5.2082	6.0491	6.0908	6.0849	6.0677	6.1639	6.1199
Propane:	2.0020	2.3986	2.4402	2.4471	2.4231	2.4900	2.4540
I-Butane:	0.3011	0.3723	0.3814	0.3827	0.3770	0.3910	0.3840
N-Butane:	0.3708	0.4612	0.4659	0.4753	0.4736	0.4990	0.4880
I-Pentane:	0.1049	0.1529	0.1459	0.1560	0.1528	0.1660	0.1610
N-Pentane:	0.0244	0.0869	0.0842	0.0945	0.0911	0.1000	0.0960
Hexane+:	0.3085	0.1862	0.1634	0.2141	0.2116	0.2420	0.2460
BTU:	1107.3	1121.3	1121.8	1125.0	1121.8	1127.7	1125.2
GPM:	17.8750	18.0100	18.0150	18.0350	18.0250	18.0590	18.0440
SPG:	0.6252	0.6341	0.6339	0.6359	0.6369	0.6389	0.6386
	02/18/2015	03/22/2013	02/13/2012	04/14/2011	04/06/2010	03/28/2008	04/09/2007
	02/18/2015	03/22/2013	02/13/2012	04/14/2011	04/06/2010	03/28/2008	04/09/2007
	DU150377	DU130314	DU120212	DU110366	DU100370	DU280095	DU270278
	0.9660	0.9040	0.9660	0.8890	0.8940	0.9140	0.8960
	0.0600	0.0570	0.0990	0.1090	0.0870	0.0800	0.1070
	89.1360	89.0350	88.8270	89.0580	89.1100	89.1520	89.0200
	6.0810	6.1190	6.1660	6.1240	6.0840	6.0990	6.1330
	2.4340	2.4540	2.4740	2.4550	2.4410	2.4160	2.4430
	0.3790	0.3880	0.3960	0.3860	0.3860	0.3840	0.3910
	0.4750	0.4890	0.5030	0.4840	0.4850	0.4810	0.4970
	0.1560	0.1640	0.1690	0.1620	0.1590	0.1600	0.1650
	0.0910	0.0990	0.1020	0.0960	0.0950	0.0950	0.1010
	0.2220	0.2910	0.2980	0.2370	0.2590	0.2190	0.2470
	1124.2	1129.4	1130.0	1126.4	1126.9	1124.7	1127.3
	18.0300	18.0670	18.0770	18.0520	18.0570	18.0430	18.0630
	0.6363	0.6389	0.6407	0.6377	0.6377	0.6365	0.6384



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: DOME NAVAJO 28-22-6 #2
Stn. No.: 4,010
Mtr. No.: 3004320447

METER RUN

09/17/2024
 23000-10755

03/15/2006	11/16/2004	09/25/2003	03/04/2003	09/24/2002	03/12/2002	10/09/2001
03/15/2006	11/16/2004	09/25/2003	03/04/2003	09/24/2002	03/12/2002	10/09/2001
DU260023	DU240336	DU230331	DU230028	DU220288	DU220030	DU210264
0.9370	0.9430	0.9010	0.9430	0.8820	0.8960	0.8950
0.0830	0.0810	0.1000	0.0820	0.1150	0.0950	0.0950
88.9550	89.0750	89.0050	88.9480	88.6570	88.8690	88.9180
6.0750	6.1000	6.1280	6.1470	6.2560	6.1930	6.1840
2.4160	2.4230	2.4570	2.4590	2.5410	2.4890	2.4830
0.3690	0.3800	0.3850	0.3880	0.4050	0.3950	0.3940
0.4610	0.4750	0.4800	0.4890	0.5200	0.5010	0.4980
0.3960	0.1560	0.1570	0.1620	0.1770	0.1680	0.1660
0.0910	0.0950	0.0950	0.0990	0.1080	0.1020	0.1010
0.2170	0.2720	0.2920	0.2830	0.3390	0.2920	0.2660
1130.0	1126.2	1128.2	1128.3	1134.8	1130.6	1129.1
18.0770	18.0490	18.0660	18.0650	18.1160	18.0830	18.0730
0.6530	0.6378	0.6390	0.6392	0.6432	0.6405	0.6395
03/15/2001	10/27/2000	04/05/2000	09/30/1999	03/16/1999	09/18/1998	03/25/1998
03/15/2001	10/27/2000	04/05/2000	09/30/1999	03/16/1999	09/18/1998	03/25/1998
DU210021	DUG00195	DUG00023	DUG90695	DUG90592	DUG80500	DUG80410
0.8950	0.8930	0.9200	0.8870	0.8980	0.8760	0.9220
0.0900	0.0900	0.1210	0.0900	0.0840	0.1050	0.0580
88.9610	88.9080	88.8290	88.9020	89.1091	88.9070	89.1060
6.1660	6.1830	6.1690	6.1930	6.1189	6.1380	6.1430
2.4770	2.4900	2.4750	2.4940	2.4390	2.4780	2.4690
0.3920	0.3940	0.3910	0.3960	0.3860	0.3910	0.3850
0.4950	0.5000	0.4970	0.5040	0.4840	0.4910	0.4830
0.1640	0.1670	0.1670	0.1690	0.1600	0.1630	0.1540
0.1000	0.1020	0.1010	0.1030	0.0970	0.1000	0.0940
0.2600	0.2730	0.3300	0.2620	0.2240	0.3510	0.1860
1128.5	1129.7	1130.8	1129.5	1125.4	1131.8	1124.1
18.0660	18.0750	18.0870	18.0750	18.0450	18.0900	18.0360
0.6392	0.6398	0.6412	0.6396	0.6369	0.6413	0.6358



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: DOME NAVAJO 28-22-6 #2
Stn. No.: 4,010
Mtr. No.: 3004320447

METER RUN

09/17/2024
 23000-10755

07/01/1997	12/19/1996	12/06/1995	04/27/1993	07/05/1991
07/01/1997	12/19/1996	12/06/1995	04/27/1993	07/05/1991
DUG70334	DUG60154	DUG50153	DUG30086	DUG10013
0.9120	0.9030	0.8370	0.9020	0.9610
0.1430	0.0930	0.1270	0.0930	0.0700
88.9860	89.2960	88.4700	89.1420	89.2610
6.1580	6.0430	6.3540	6.1170	6.0440
2.4670	2.3940	2.6570	2.4310	2.3880
0.3860	0.3800	0.4400	0.3760	0.3660
0.4910	0.4770	0.5690	0.4800	0.4640
0.1570	0.1480	0.1960	0.1600	0.1510
0.0960	0.0890	0.1210	0.0970	0.0900
0.2040	0.1770	0.2290	0.2020	0.2050
1124.5	1121.0	1135.8	1123.9	1121.2
18.0460	18.0120	18.1280	18.0340	18.0120
0.6374	0.6340	0.6434	0.6359	0.6345

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)	148
Pipe Inner Diameter (in)	4
Pipe Length (ft)	
Tempurature (f)	100
Duration (sec)	3049872
Leak Hole size Diameter (in)	0.75

Blowdown Volume	0.00
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1: Determine if flow is choked or sub-sonic

Pressure Ratio	0.090
Critical Pres. Ratio	0.546
Area of leak (ft^2)	0.003067962
Is the flow choked?	Yes

2: Use the right mass flow equation

Choked Flow	
USE THIS	
mdot (lbm/s)	1.15E-03

3: Multiply by time to calculate total gas lost

Choked Flow	
USE THIS	
Mass Lost (lbm)	3501.01676
Gas Lost SCF	76441.41407

MCF Gas Loss	76.44141407
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Sante Fe Main Office
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General Information
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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 497636

DEFINITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 497636
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none">• 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 497636

QUESTIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 497636
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	[30-043-20477] DOME NAVAJO 28-22-6 #002
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 withing 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	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	91
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 497636

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 497636
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/13/2025
Time vent or flare was discovered or commenced	11:28 AM
Time vent or flare was terminated	11:29 AM
Cumulative hours during this event	35

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 76 Mcf Recovered: 0 Mcf Lost: 76 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	Operator is unable to know when corrosion in a pipeline will occur.
Steps taken to limit the duration and magnitude of vent or flare	Units were shut down immediately and pipeline segment was isolated.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Implementation of valve checks prior to starting units and pipeline integrity checks.

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ACKNOWLEDGMENTS

Action 497636

ACKNOWLEDGMENTS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 497636
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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 497636

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 497636
	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.	8/20/2025