



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

Analysis No: DU20250022
Cust No: 23000-11400

Well/Lease Information

Customer Name:	DUGAN PRODUCTION CORP.	Source:	METER RUN
Well Name:	FEDERAL I #4R	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	6 PSIG
Location:		Flow Temp:	57 DEG. F
Lease/PA/CA:	SF078110	Ambient Temp:	43 DEG. F
Formation:		Flow Rate:	18 MCF/D
Cust. Stn. No.:	9,130	Sample Method:	Purge & Fill
	202E-213092	Sample Date:	01/07/2025
	3004530592	Sample Time:	2.30 PM
	TABOR GATHERING	Sampled By:	CALIB SANCHEZ
Heat Trace:	N	Sampled by (CO):	DUGAN
Remarks:	PRESSURED WITH HELIUM TO 30 LBS.		

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1443	0.0658	0.0160	0.00	0.0014
CO2	1.9277	0.8789	0.3300	0.00	0.0293
Methane	89.8265	40.9553	15.2690	907.25	0.4975
Ethane	3.6391	1.6592	0.9760	64.40	0.0378
Propane	1.8696	0.8524	0.5160	47.04	0.0285
Iso-Butane	0.4060	0.1851	0.1330	13.20	0.0081
N-Butane	0.6350	0.2895	0.2010	20.72	0.0127
I-Pentane	0.2950	0.1345	0.1080	11.80	0.0073
N-Pentane	0.2167	0.0988	0.0790	8.69	0.0054
Hexane Plus	1.0401	0.4742	0.4650	54.82	0.0344
Total	100.0000	45.5937	18.0930	1127.92	0.6625

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0029	CYLINDER #:	5023
BTU/CU.FT IDEAL:	1130.5	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1133.8	ANALYSIS DATE:	01/09/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1114.1	ANALYSIS TIME:	01:22:39 PM
DRY BTU @ 15.025:	1156.5	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6642		

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: 01/09/2025

GC Method: C6+ Gas



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: FEDERAL I #4R
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 Mtr. No.: 202E-213092

METER RUN

01/09/2025
 23000-11400

Smpl Date:	01/07/2025	07/22/2024	01/15/2024	09/14/2023	01/30/2023	07/21/2022	07/13/2022
Test Date:	01/09/2025	08/02/2024	01/24/2024	09/18/2023	02/13/2023	07/27/2022	07/19/2022
Run No:	DU20250022	DU20240837	DU20240062	DU20230895	DU20230071	DU20220847	DU20220784
Nitrogen:	0.1443	0.1389	0.1122	0.1040	0.1172	0.2947	0.0911
CO2:	1.9277	2.0904	2.1496	2.1499	2.1397	2.2107	2.2222
Methane:	89.8265	91.6161	91.5621	91.2629	91.7149	92.3689	92.5067
Ethane:	3.6391	2.8531	2.9164	2.9645	2.7312	2.4119	2.4497
Propane:	1.8696	1.4321	1.4672	1.5113	1.3678	1.1992	1.1932
I-Butane:	0.4060	0.3061	0.3088	0.3193	0.2860	0.2476	0.2534
N-Butane:	0.6350	0.4607	0.4645	0.4814	0.4424	0.3731	0.3742
I-Pentane:	0.2950	0.2136	0.2155	0.2286	0.1967	0.1822	0.1795
N-Pentane:	0.2167	0.1077	0.1482	0.1609	0.1415	0.1261	0.1232
Hexane+:	1.0401	0.7813	0.6555	0.8172	0.8626	0.5856	0.6068
BTU:	1133.8	1096.4	1093.0	1102.5	1097.3	1074.4	1077.5
GPM:	18.0930	17.8160	17.8020	17.8650	17.8180	17.6550	17.6780
SPG:	0.6642	0.6427	0.6412	0.6473	0.6439	0.6322	0.6323
	01/31/2022	07/08/2021	01/29/2021	07/28/2020	01/14/2020	02/22/2019	07/17/2018
	02/08/2022	07/16/2021	02/04/2021	07/31/2020	01/20/2020	03/05/2019	07/20/2018
	DU20220078	DU20211083	DU210360	DU200707	DU200006	DU190223	DU180713
	0.1331	0.1025	3.8622	0.2424	0.1967	0.2260	0.1574
	2.0449	2.1958	2.0923	2.1141	2.0480	1.1696	1.9984
	90.5469	91.9580	88.1691	91.1666	90.1716	85.7090	91.3971
	3.4647	2.6059	2.7954	3.0232	3.5285	6.3520	3.1046
	1.7380	1.2808	1.3405	1.5110	1.7539	3.0955	1.4866
	0.3595	0.2721	0.2745	0.3182	0.3766	0.6644	0.2990
	0.5306	0.4061	0.4368	0.4692	0.5435	0.8848	0.4556
	0.2383	0.1843	0.1905	0.2097	0.2542	0.3839	0.2016
	0.1712	0.1326	0.1356	0.1498	0.1843	0.2572	0.1405
	0.7728	0.8619	0.7031	0.7958	0.9427	1.2576	0.7592
	1111.4	1092.8	1052.1	1099.8	1120.2	1205.1	1099.3
	17.9450	17.7860	17.5450	17.8480	18.0050	18.6550	17.8400
	0.6515	0.6418	0.6540	0.6464	0.6580	0.6985	0.6433



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: FEDERAL I #4R
 Stn. No.: 9,130
 Mtr. No.: 202E-213092

METER RUN

01/09/2025
 23000-11400

01/24/2018	07/31/2017	01/05/2017	02/24/2016	02/23/2015	04/26/2014	03/07/2013
01/26/2018	07/31/2017	01/05/2017	02/24/2016	02/23/2015	04/26/2014	03/07/2013
DU180108	DU170812	DU170066	DU160311	DU150436	DU140416	DU130325
0.1194	0.1600	0.1230	0.1640	0.1250	0.4100	0.1550
1.9043	1.9356	1.9320	1.9000	1.8800	1.5720	1.6530
91.1966	90.8987	91.5109	90.5762	90.2550	88.5928	88.9450
3.0955	3.3610	3.1520	3.4569	3.5870	4.8181	4.4760
1.5117	1.6127	1.4780	1.6840	1.7310	2.2970	2.1530
0.3013	0.3062	0.2970	0.3470	0.3550	0.4740	0.4440
0.4633	0.4956	0.4460	0.5150	0.5340	0.6780	0.6660
0.1982	0.2195	0.1970	0.2340	0.2410	0.2880	0.2940
0.1417	0.1576	0.1400	0.1680	0.1720	0.1900	0.2150
1.0680	0.8531	0.7240	0.9550	1.1200	0.6800	0.9990
1114.4	1109.9	1098.6	1118.6	1129.0	1136.3	1147.0
17.9340	17.9180	17.8350	17.9800	18.0540	18.1490	18.2050
0.6511	0.6491	0.6414	0.6542	0.6601	0.6628	0.6683
01/07/2012	07/16/2011	01/27/2010	02/24/2009	04/19/2008	03/24/2007	04/28/2006
01/07/2012	07/16/2011	01/27/2010	02/24/2009	04/19/2008	03/24/2007	04/28/2006
DU120035	DU110544	DU100035	DU290121	DU280195	DU270160	DU260219
2.0860	0.1380	0.6160	0.2960	0.1330	0.1290	0.1470
0.1370	1.8050	1.6800	1.7790	1.6120	1.3240	1.2690
97.2750	91.7730	94.1620	94.7010	94.5910	94.6650	94.4050
0.2160	2.9970	1.6970	1.5450	1.7140	2.0940	2.1530
0.0430	1.4310	0.7820	0.7010	0.7870	0.9130	0.9120
0.0080	0.2960	0.1570	0.1480	0.1650	0.1850	0.1900
0.0120	0.4410	0.2320	0.2160	0.2430	0.2570	0.2700
0.0030	0.2210	0.1070	0.1010	0.1160	0.1230	0.1200
0.0000	0.1580	0.0780	0.0730	0.0860	0.0750	0.0860
0.2200	0.7400	0.4890	0.4400	0.5530	0.2350	0.4480
1004.1	1099.6	1051.6	1048.1	1061.0	1055.7	1065.7
16.9490	17.8230	17.4260	17.4050	17.4820	17.4490	17.5160
0.5726	0.6402	0.6125	0.6081	0.6123	0.6042	0.6100



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WELL ANALYSIS COMPARISON

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METER RUN

01/09/2025
 23000-11400

08/26/2005	02/24/2005	05/14/2004	04/01/2003	04/18/2002	08/15/2001
08/26/2005	02/24/2005	05/14/2004	04/01/2003	04/18/2002	08/15/2001
DU250384	DU250067	DU240116	DU230093	DU220092	DU210203
0.1930	0.2260	0.3080	0.2000	0.3310	1.0340
0.9870	0.8190	0.7690	0.9980	0.5460	0.6200
93.1550	91.3870	91.8250	93.4070	98.5380	88.0090
3.0200	4.0690	3.8610	2.9650	0.2990	5.4090
1.4060	1.6980	1.6600	1.1810	0.1090	2.3600
0.2660	0.3280	0.3110	0.2290	0.0220	0.4480
0.3670	0.4730	0.4380	0.3300	0.0310	0.6550
0.1540	0.2050	0.1760	0.1340	0.0140	0.2680
0.1080	0.1450	0.1260	0.0980	0.0100	0.1990
0.3440	0.6500	0.5260	0.4580	0.1000	0.9980
1083.6	1117.1	1106.7	1082.0	1015.6	1156.4
17.6670	17.9320	17.8490	17.6540	17.0460	18.2540
0.6176	0.6365	0.6299	0.6166	0.5681	0.6673

X-Man Transfer Gas Loss discovered 6/30/25
Volume Calculation

$$30 * 1.7 = 51 \text{ mcf}$$

Sante Fe Main Office
Phone: (505) 476-3441

General Information
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Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

DEFINITIONS

Action 480983

DEFINITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 480983
	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 480983

QUESTIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 480983
	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	[30-045-20397] FEDERAL I #004
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	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	90
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 480983

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 480983
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/30/2025
Time vent or flare was discovered or commenced	10:02 AM
Time vent or flare was terminated	10:17 AM
Cumulative hours during this event	720

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Vented Released: 51 Mcf Recovered: 0 Mcf Lost: 51 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 continually monitoring pipeline, corrosion beyond operators control, but once found, issues promptly addressed and corrected.
Steps taken to limit the duration and magnitude of vent or flare	Isolated line immediately.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Continue to be proactive in monitoring all lines.

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ACKNOWLEDGMENTS

Action 480983

ACKNOWLEDGMENTS

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	Action Number: 480983
	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 480983

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 480983
	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.	7/2/2025