



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

Analysis No: DU20250257
Cust No: 23000-11155

Well/Lease Information

Customer Name:	DUGAN PRODUCTION CORP.	Source:	METER RUN
Well Name:	MERRY CHASE 90	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	14 PSIG
Location:	10-24N-09W	Flow Temp:	59 DEG. F
Lease/PA/CA:	NM100302	Ambient Temp:	46 DEG. F
Formation:	FRUITLAND COAL	Flow Rate:	17 MCF/D
Cust. Stn. No.:	1,105	Sample Method:	Purge & Fill
	3004529650	Sample Date:	02/19/2025
	202A-200203	Sample Time:	2.00 PM
	GOODTIMES GATHERING	Sampled By:	MATT VIETH
Heat Trace:	N	Sampled by (CO):	DUGAN
Remarks:	PRESSURED WITH HELIUM TO 30 LBS.		

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.2226	0.6286	0.1350	0.00	0.0118
CO2	0.3310	0.1702	0.0570	0.00	0.0050
Methane	95.3146	49.0068	16.1890	962.68	0.5279
Ethane	3.0985	1.5931	0.8300	54.83	0.0322
Propane	0.0226	0.0116	0.0060	0.57	0.0003
Iso-Butane	0.0078	0.0040	0.0030	0.25	0.0002
N-Butane	0.0029	0.0015	0.0010	0.09	0.0001
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0000	0.0000	0.0000	0.00	0.0000
Total	100.0000	51.4158	17.2210	1018.43	0.5775

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0021	CYLINDER #:	4044
BTU/CU.FT IDEAL:	1020.8	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1022.9	ANALYSIS DATE:	03/10/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1005.1	ANALYSIS TIME:	04:16:37 PM
DRY BTU @ 15.025:	1043.4	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5785		

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: 03/13/2025

GC Method: C6+ Gas



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease:	MERRY CHASE 90	METER RUN	03/13/2025
Stn. No.:	1,105	FRUITLAND COAL	23000-11155
Mtr. No.:	3004529650		

Smpl Date:	02/19/2025	08/05/2024	01/30/2024	10/05/2023	02/01/2023	07/26/2022	01/26/2022
Test Date:	03/10/2025	08/09/2024	02/05/2024	10/12/2023	02/06/2023	07/28/2022	02/04/2022
Run No:	DU20250257	DU20240882	DU20240124	DU20230961	DU20230035	DU20220860	DU20220069
Nitrogen:	1.2226	1.0862	1.0369	1.0816	1.0400	1.0699	1.1141
CO2:	0.3310	0.3673	0.3771	0.3215	0.3474	0.3519	0.3764
Methane:	95.3146	95.1745	95.3543	95.4314	95.3739	95.4876	95.1465
Ethane:	3.0985	3.2997	3.1610	3.1042	3.1760	3.0375	3.2968
Propane:	0.0226	0.0458	0.0344	0.0306	0.0396	0.0350	0.0377
I-Butane:	0.0078	0.0148	0.0126	0.0105	0.0133	0.0126	0.0137
N-Butane:	0.0029	0.0072	0.0053	0.0055	0.0054	0.0055	0.0058
I-Pentane:	0.0000	0.0045	0.0035	0.0000	0.0044	0.0000	0.0047
N-Pentane:	0.0000	0.0000	0.0000	0.0147	0.0000	0.0000	0.0000
Hexane+:	0.0000	0.0000	0.0149	0.0000	0.0000	0.0000	0.0043
BTU:	1022.9	1026.2	1025.9	1025.2	1025.8	1024.2	1025.8
GPM:	17.2210	17.2540	17.2430	17.2320	17.2430	17.2260	17.2500
SPG:	0.5785	0.5798	0.5792	0.5783	0.5787	0.5780	0.5799
	07/21/2021	02/22/2021	08/05/2020	01/16/2020	08/01/2019	02/21/2019	08/03/2018
	08/11/2021	03/04/2021	08/14/2020	01/17/2020	08/13/2019	03/04/2019	10/15/2018
	DU20211207	DU210475	DU200780	DU200004	DU190768	DU190195	DU180900
	1.0862	1.2002	1.1828	1.1742	1.0605	1.2027	1.1835
	0.4877	0.3578	0.5074	0.3521	0.4975	0.4049	0.4833
	95.0707	95.3117	94.9184	95.2546	94.9362	95.0593	94.7578
	3.2711	3.0838	3.2811	3.1805	3.4253	3.2796	3.4383
	0.0491	0.0293	0.0736	0.0237	0.0500	0.0346	0.0486
	0.0162	0.0115	0.0221	0.0075	0.0187	0.0121	0.0173
	0.0092	0.0037	0.0071	0.0020	0.0073	0.0044	0.0068
	0.0040	0.0000	0.0046	0.0000	0.0045	0.0024	0.0041
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0058	0.0020	0.0029	0.0054	0.0000	0.0000	0.0603
	1025.1	1023.1	1024.4	1024.1	1026.3	1024.2	1027.8
	17.2520	17.2210	17.2490	17.2310	17.2680	17.2420	17.2780
	0.5810	0.5788	0.5819	0.5791	0.5816	0.5803	0.5837



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: MERRY CHASE 90
Stn. No.: 1,105
Mtr. No.: 3004529650

METER RUN
 FRUITLAND COAL

03/13/2025
 23000-11155

02/14/2018	08/07/2017	02/24/2017	03/14/2016	05/28/2015	09/25/2014	06/07/2013
02/19/2018	08/07/2017	02/24/2017	03/14/2016	05/28/2015	09/25/2014	06/07/2013
DU180212	DU170837	DU170205	DU160360	DU150645	DU140631	DU130481
1.0896	1.3662	1.2120	1.2040	1.0630	1.0490	1.0670
0.4719	0.3401	0.3850	0.3830	0.5430	0.5230	0.5180
94.9127	94.9397	94.8950	95.0639	95.2440	94.9699	94.9320
3.4247	3.2539	3.3220	3.3020	3.0540	3.3650	3.3530
0.0443	0.0355	0.0420	0.0320	0.0440	0.0470	0.0480
0.0147	0.0193	0.0160	0.0100	0.0200	0.0180	0.0160
0.0065	0.0231	0.0100	0.0030	0.0060	0.0070	0.0070
0.0038	0.0107	0.0000	0.0020	0.0040	0.0090	0.0040
0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	0.0000
0.0318	0.0115	0.1150	0.0000	0.0220	0.0120	0.0550
1027.4	1024.3	1029.8	1024.4	1023.8	1026.3	1027.7
17.2730	17.2380	17.2790	17.2430	17.2370	17.2660	17.2750
0.5822	0.5811	0.5837	0.5801	0.5808	0.5819	0.5829
02/04/2012	06/09/2011	06/28/2010	06/02/2009	05/03/2008	05/10/2007	05/08/2006
02/04/2012	06/09/2011	06/28/2010	06/02/2009	05/03/2008	05/10/2007	05/08/2006
DU120198	DU110466	DU100502	DU290359	DU280250	DU270260	DU260245
1.0090	1.2460	1.1000	1.1750	0.9260	1.0510	1.1440
0.5390	0.4290	0.6210	0.5430	0.5050	0.5360	0.4960
94.8140	94.9090	94.8460	94.8330	94.8310	94.9400	95.0190
3.5390	3.3770	3.3090	3.3390	3.5530	3.3670	3.2770
0.0560	0.0270	0.0430	0.0500	0.0940	0.0610	0.0360
0.0190	0.0070	0.0140	0.0150	0.0310	0.0160	0.0110
0.0100	0.0030	0.0060	0.0080	0.0210	0.0080	0.0050
0.0070	0.0020	0.0040	0.0050	0.0180	0.0050	0.0030
0.0000	0.0000	0.0000	0.0000	0.0030	0.0010	0.0000
0.0070	0.0000	0.0570	0.0320	0.0180	0.0150	0.0090
1027.8	1023.9	1025.9	1025.3	1031.1	1026.3	1024.2
17.2850	17.2460	17.2650	17.2600	17.3040	17.2670	17.2470
0.5827	0.5810	0.5839	0.5831	0.5834	0.5822	0.5810



DUGAN PRODUCTION CORP.
WELL ANALYSIS COMPARISON

Lease: MERRY CHASE 90
Stn. No.: 1,105
Mtr. No.: 3004529650

METER RUN
 FRUITLAND COAL

03/13/2025
 23000-11155

09/08/2005	05/02/2005	08/04/2004	05/15/2003	06/03/2002	05/09/2001	07/24/2000
09/08/2005	05/02/2005	08/04/2004	05/15/2003	06/03/2002	05/09/2001	07/24/2000
DU250387	DU250272	DU240259	DU230235	DU220148	DU210069	DUG00042
1.1880	1.1460	1.3190	1.2260	1.2380	1.1200	1.0110
0.3910	0.5010	0.3630	0.4570	0.3370	0.3890	0.4660
95.0510	95.0440	95.0660	94.8970	95.0150	94.9480	94.9930
3.2970	3.2600	3.2200	3.3180	3.3500	3.4360	3.4380
0.0410	0.0280	0.0210	0.0570	0.0320	0.0580	0.0490
0.0110	0.0080	0.0040	0.0170	0.0080	0.0180	0.0130
0.0060	0.0030	0.0020	0.0090	0.0040	0.0100	0.0080
0.0070	0.0070	0.0020	0.0060	0.0030	0.0060	0.0040
0.0010	0.0010	0.0010	0.0020	0.0000	0.0020	0.0000
0.0070	0.0020	0.0020	0.0110	0.0130	0.0130	0.0180
1025.1	1023.6	1022.6	1024.8	1025.4	1027.6	1027.8
17.2480	17.2440	17.2260	17.2530	17.2500	17.2710	17.2760
0.5806	0.5812	0.5800	0.5819	0.5807	0.5815	0.5819
02/25/1999						
02/25/1999						
DUG90580						
5.0480						
0.4470						
91.0290						
3.2820						
0.0990						
0.0310						
0.0210						
0.0120						
0.0050						
0.0260						
987.9						
17.0320						
0.5988						

Tyra Feil

From: Eileen Yates
Sent: Wednesday, June 11, 2025 7:35 AM
To: noreply; Talon Easley; Cody Wheeler; Tyra Feil; Luke Durham; Joshua Griffin; David King; South; Pipeline; Erin Aas; Marty Foutz; Mario Ulibarri; Matthew Wilcox; Russell Ninos; Jennifer McCoy; Sean Dugan; Roustabouts; Ajax
Subject: Re: SIGNIFICANT SPILL\LEAK NOTIFICATION: MERRY CHASE 90

Good Morning,

The discovered gas leak at the Merry Chase 90 on 06.10.2025 has been reviewed. The approximate gas loss was 12 MCF (16.599 SCFh*720 hours = 11,951.28 SCF) – Due to the duration of the release the incident is classified as a reportable.

Kindest Regards,

Eileen Yates

Environmental, Health, and Safety Manager
Dugan Production Corp.
Phone | 505-787-9832
Email | Eileen.Yates@duganproduction.com



From: Dugan Production Corp <noreply@duganproduction.com>
Date: Tuesday, June 10, 2025 at 12:06 PM
To: Talon Easley <Talon.Easley@duganproduction.com>, Cody Wheeler <Cody.Wheeler@duganproduction.com>, Tyra Feil <Tyra.Feil@duganproduction.com>, Luke Durham <Luke.Durham@duganproduction.com>, Joshua Griffin <Joshua.Griffin@duganproduction.com>, David King <David.King@duganproduction.com>, South <South@duganproduction.com>, Pipeline <pipeline@duganproduction.com>, Erin Aas <Erin.Aas@duganproduction.com>, Marty Foutz <Marty.Foutz@duganproduction.com>, Mario Ulibarri <Mario.Ulibarri@duganproduction.com>, Matthew Wilcox <Matthew.Wilcox@duganproduction.com>, Russell Ninos <Russell.Ninos@duganproduction.com>, Jennifer McCoy <Jennifer.Mccoy@duganproduction.com>, Sean Dugan <Sean.Dugan@duganproduction.com>, Roustabouts <Roustabout@duganproduction.com>, Eileen Yates <Eileen.Medrano@duganproduction.com>, Ajax <ajax@duganproduction.com>
Subject: SIGNIFICANT SPILLLEAK NOTIFICATION: MERRY CHASE 90

A Spill\Leak has been identified by: **TALON EASLEY**

Location: MERRY CHASE 90

MERRY CHASE 90 LEG

Date Identified: 06-10-25

Leak is described as: Gas is blowing out of the ground. 4 inch steel pipe.

The following Actions were taken: Isolated the Marry Chase 90 pipeline shut off at the dog leg. Also contacted Luke Durham to let him know we need to shut off the Mary Chase 90 pumping unit.

Due Date For Repair: **07-10-25**

Please refer to the Spill\leak Open Ticket Dashboard for more information.

<https://duganprodcorp.maps.arcgis.com/apps/dashboards/503eca8876984a88bfe3ba65618d6e52> CAUTION:

This email originated from outside your organization. Exercise caution.

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

General Information
Phone: (505) 629-6116

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 473008

DEFINITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 473008
	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 473008

QUESTIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 473008
	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	[30-045-29650] MERRY CHASE #090
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, answer to "eight hours or more" suggests this is at least a minor event.
<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	No
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	Please note that this was most near the Merry Chase #90 location which is the API # & facility used for this C-139, as operator is required to provide a facility ID or API # in order to submit.

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	95
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 473008

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 473008
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/10/2025
Time vent or flare was discovered or commenced	11:30 AM
Time vent or flare was terminated	12:06 PM
Cumulative hours during this event	720

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 12 Mcf Recovered: 0 Mcf Lost: 12 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	An operator cannot predict when corrosion will cause holes in pipelines.
Steps taken to limit the duration and magnitude of vent or flare	All associated wells and doglegs were shut in to prevent excess waste.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Isolated the pipeline and shut off at the dogleg as well as the pumping unit. Line was excavated and inspected for pitting and other defects. Defective portion replaced.

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ACKNOWLEDGMENTS

Action 473008

ACKNOWLEDGMENTS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 473008
	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 473008

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 473008
	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.	6/11/2025