

<b>Company</b>	Delaware Basin Midstream LLC
<b>Location</b>	DCP Walker Pipeline

**Event Description**

Contractor was programming HMI display on pipeline above ground launcher equipment. The team had the the launcher barrel open to compare HMI to the function of the barrel. As the tech was working with the panel, the valve cycled leading to a loss of primary containment.

Coordinates of the release are: 32.1348207, -103.8409455.

**Duration**

10/17/24 10:26	Start Time
10/17/24 10:28	End Time
0.033	total release time (hr)
536352.7	MSCF/hr - GPSA
17,878,424	<b>SCF - Total Event</b>

**VOC Emission from Blowdown (TPY)**

$P_1 \cdot V_1$	=	$P_2 \cdot V_2$	
Total SCF	=	17,878,424	SCF
Natural Gas (MW)	=	22.25	lb/lb-mole
1 lb-mole	=	379	SCF
		<b>1,048,257</b>	lb (total weight of natural gas released)
			= Total Gas (SCF) / 379.4 SCF/lb-mole x lb/lb-mole

**Leak Details**

20.00	leak diameter (in)
1125.0	operating pressure (psig)
82.0	operating temperature (F)

17,878.42

mscf - total release of natural gas

**Emission Speciation**

Data Source:	Calculated	Calculated	Calculated
Component	Compound Weight Fraction (speciated weight / total)	Compound Weight Percent	Total Emissions (lbs) Based on Volume Released
Water			
Hydrogen Sulfide	0.000	0.00%	10.48
Nitrogen	0.014	1.35%	14,193.39
Carbon Dioxide	0.004	0.38%	3,941.44
Methane	0.542	54.19%	568,081.65
Ethane	0.160	16.03%	168,025.04
Propane	0.138	13.84%	145,036.77
i-Butane	0.020	1.99%	20,902.23
n-Butane	0.058	5.81%	60,935.15
2,2 Dimethylpropane	0.000	0.01%	136.27
i-Pentane	0.015	1.46%	15,304.54
n-Pentane	0.017	1.73%	18,124.35
2,2-methyl Butane	0.000	0.02%	157.24
Cyclopentane	0.000	0.00%	0.00
2,3-methyl Butane	0.002	0.16%	1,708.66
2-methyl pentane	0.004	0.39%	4,056.75
3-methyl pentane	0.002	0.22%	2,316.65
n-Hexane	0.005	0.53%	5,524.31
methyl cyclopentane	0.003	0.29%	3,050.43
Benzene	0.000	0.04%	440.27
Cyclohexane	0.003	0.26%	2,694.02
2-methyl hexane	0.001	0.07%	712.81
Other C6's	0.001	0.09%	901.50
224 methyl pentane	0.000	0.00%	0.00
3,3 methyl pentane	0.003	0.29%	2,987.53
Heptanes	0.002	0.17%	1,750.59
methyl Cyclohexane	0.002	0.24%	2,494.85
Toluene	0.000	0.04%	387.85
Octanes Plus	0.002	0.22%	2,337.61
Octane	0.001	0.06%	587.02
e-Benzene	0.000	0.01%	52.41
Xylenes	0.000	0.01%	146.76
O-Xylene	0.000	0.01%	52.41
n-Nonane	0.001	0.09%	891.02
n-Nonane	0.000	0.01%	125.79
Other C10's	0.000	0.02%	199.17
n-Decane	0.000	0.00%	0.00
n-C11	0.000	0.00%	0.00
<b>Totals</b>	<b>1.000</b>	<b>100.00%</b>	<b>1,048,267</b>
<b>VOC (total)</b>		<b>28.05%</b>	<b>294,015</b>

(1) Source

\*Total SCF of gas calculated by total MMscf/d vapors to combustor from tanks X 1000000 scf/MM X 1 day/24 hours = scf/hour

**Equation:**

Eq. 3-15	$Q = 578400 \times d^2 \times Y_{cr} \times (1/(T_f \times G))^{0.5} \times P$
Eq. 3-16	$Y_{cr} = ((k/Z) \times (2/(k+1))^{((k+1)/(k-1))})^{0.5}$
	Q= CFD
	P= Absolute Pressure
	Tf= Absolute Flowing Temperature (R)
	G= Specific Gravity
	Z= Z @ Flowing Conditions
	k= Ratio of Specific Heats



SPILL/RELEASE VOLUME CALCULATOR

Faciltiy/Pipeline Name: Walker HP Gas Line

Date of Spill: 10/17/24

Latitude & Longitude of Release: 32.1348207, -103.8409455

Product Type Released: CRUDE OIL: ☐

PRODUCED WATER: ☐

CONDENSATE: ☒

Total Area Calculations							Standing Liquid Calculations						
Total Surface Area	width		length		wet soil depth	oil (%)	Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	255 ft	X	60 ft	X	0 in	80%	Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	170 ft	X	40 ft	X	3 in	80%	Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%	Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Amount of Free Liquid Recovered: 0 BBL

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor \*: 0.08 gal per gal

Use the following when the spill wets the grains of the soil.

\* sand = .08 gallon liquid per gallon volume of soil.

\* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.

\* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.

\* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occures when the spill soaked soil is contained by barriers, natural (or not).

\* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.

\* sandy loam = .5 gallon liquid per gallon volume of soil.

Estimated Volumes Spilled

Liquid in Soil: 0.0 BBL

Free Liquid: 0.0 BBL

Totals: 0.0 BBL

H2O

23.0 BBL

OIL

23.0 BBL

Total Spill Liquid: 0.0 BBL

23.0 BBL

Recovered Volumes

Estimated oil recovered: 0.0 BBL

Estimated water recovered: 0.0 BBL

Estimated Weights, and Volumes

Saturated Soil = 226,100 lbs

Total Liquid = 23 BBL

2,019 cu.ft.

966 gallon

75 cu.yds.

8,041 lbs

Released to Imaging: 10/29/2024 9:54:25 AM

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**District III**  
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**District IV**  
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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 394634

QUESTIONS

Operator: DELAWARE BASIN MIDSTREAM, LLC 9950 Woodloch Forest Drive The Woodlands, TX 77380	OGRID: 314437
	Action Number: 394634
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429241405
Incident Name	NAPP2429241405 WALKER HP GAS PIPELINE @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	WALKER HP GAS PIPELINE
Date Release Discovered	10/17/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Condensate   Released: 23 BBL   Recovered: 0 BBL   Lost: 23 BBL.
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Pipeline (Any)   Natural Gas Vented   Released: 17,878 MCF   Recovered: 0 MCF   Lost: 17,878 MCF.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A crew was working on the HMI. The door on the pigging barrel was open and the valve cycled allowing condensate and gas to be released. Approximately 23-bbl of condensate and 17,878.42 mcf of gas was released. Condensate release affected nearby vegetation and soil. Release was reported to NMOCD and BLM on 10/18/2024 verbally. Affected area will be treated in place or removed via dig and haul once fully delineated.

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QUESTIONS, Page 2

Action 394634

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (3) an unauthorized release of gases exceeding 500 MCF.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Alex Shepherd Title: Environmental Manager Email: Alex.Shepherd@westernmidstream.com Date: 10/28/2024
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QUESTIONS, Page 3

Action 394634

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	10/29/2024