

GasCal - [mvolume]

File

Gas Volume Calculations

PSIG ☒	PSIA ☐	Meter Tube Size :	16	Factors Orifice Factor : 3.15349 Temperature Factor : 1.00000 Gravity Factor : 1.24611 Fpv Factor : 1.00526 Reynolds Number : 1.00035 Expansion Factor : .74849 C Prime : 2.95777 Beta Ratio : .0078 Pressure Base Factor : 1.00000
Static Pressure		Orifice Plate Size :	.125	
Up ☒	Down ☐	Pressure: (PSIG) :	58	
		Differential :	1607	
		Temperature :	60	
		Gravity :	.644	
		Mole % CO2 :	0	
		Mole % N2 :	0	
		Pressure Base :	14.73	
		Temperature Base :	60	
Hours ☒	Minutes ☐	Barometric Pressure :	12	
		Flow Time: (Hours)	2	
		BTU Value :	1034.0	

Volume (MCF) :
Volume (MMBTU) :

Input Pressure

Main Menu **Diff/Volume** **Plate Change** **Weymouth** **Analysis** **Retro/Setpoint** **Blowdown Cal.**

GasCal - [Differential / Volume]

File

Differential / Volume

Differential for known Volume:

Meter Tube Size: 12

Orifice Plate Size: 3.5

Pressure: 865

Volume (mcf): 12300

Temperature: 72

Gravity: 0.582

Mole % CO2: 0

Mole % N2: 0

Pressure Base: 14.73

Temperature Base: 60

Differential 1 Run: 25.5

Differential 2 Runs: 6.4

Static Pipeline Volume:

Pipe Diameter: 16

Length: 336

(F)eet or (M)iles: F

Pressure: 43.3

Temperature: 60

Pressure Base: 14.73

Gravity: .644

Barometer: 14.73

Vol. (cu. ft.): 1,856.0

Lbs of Gas: 91.4

Tons of Gas: .046

Pig Travel Time:

Pipe Diameter: 30

Length: 17

(F)eet or (M)iles: M

Volume (mcf): 200000

Upstream Pressure: 750

Downstream Pressure: 700

Temperature: 60

Pressure Base: 14.73

Gravity: 0.6

Barometer: 14.73

Hrs: 2

Min: 48

Sec: 49

Miles per Hour: 6.04

Input Temperature

Main Menu

Gas Cal.

Plate Change

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Blowdown Cal.

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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

QUESTIONS

Action 382529

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 382529
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425328865
Incident Name	NAPP2425328865 ANGEL PEAK 2C#1 @ 0
Incident Type	Natural Gas Release
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Angel Peak 2C#1
Date Release Discovered	09/07/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Natural Gas 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: Corrosion Pipeline (Any) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 4 Mcf Recovered: 0 Mcf Lost: 4 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)	Not answered.

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QUESTIONS, Page 2

Action 382529

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)	Yes, according to supplied volumes this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 09/11/2024
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QUESTIONS, Page 3

Action 382529

QUESTIONS (continued)

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QUESTIONS**Site Characterization**

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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.

Requesting a remediation plan approval with this submission	No
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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.

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CONDITIONS

Action 382529

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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	9/11/2024