

# Pritchard Analytical Laboratories, Inc.

## Petroleum Analytical Laboratory

3310 Bankhead Highway, Midland, Texas 79701  
(432) 218-6625, pritchardlab.com

### SUMMARY OF CHROMATOGRAPHIC ANALYSIS

COMPANY:	AEGIS CHEMICAL	JOB #:	2510008
SAMPLE ID:	MILLIE MILE (PBEX)	SAMPLE #:	2510008AEG01
SAMPLE TYPE:	SPOT	DATE ON:	10/9/2025
STATION:	MILLIE MILE (PBEX)	DATE OFF:	10/9/2025
SAMPLE PRESS.,psig:	136.0	TIME ON:	0935
SAMPLE TEMPERATURE, F	76.6	TIME OFF:	0935
ANALYSIS DATE:	10/10/2025	SAMPLED BY:	CLIENT
ANALYSIS COMMENTS:		ANALYST:	J. R. PRITCHARD

COMPONENT	MOLE %	WEIGHT %	CALCULATED PARAMETERS	
HYDROGEN SULFIDE	0.0180	0.0257	<b>TOTAL ANALYSIS SUMMARY</b>	
NITROGEN	4.0871	4.8018		
OXYGEN	0.0000	0.0000	AVE MOLE WT	23.8433
METHANE	67.6182	45.4943	REL DENS, AIR=1	0.8232
CARBON DIOXIDE	5.7950	10.6963	VAPOR PRESS PSIA	3486.3
ETHANE	11.3951	14.3705	<b>HEXANES PLUS SUMMARY</b>	
PROPANE	6.6259	12.2540		
ISO-BUTANE	0.7444	1.8145	AVE MOLE WT	90.5622
N-BUTANE	2.0327	4.9551	SP GRAV, 60F/60	0.7295
ISO-PENTANE	0.5170	1.5644	API GRAVITY	62.5
N-PENTANE (C-5)	0.5278	1.5971	LBS/GAL	5.836
2,2 DIMETHYL BUTANE	0.0020	0.0072	REL DENS, AIR=1	3.1268
CYCLOPENTANE	0.0000	0.0000	VAPOR PRESS PSIA	4.03
2-METHYLPENTANE	0.1217	0.4399	<b>BTEX SUMMARY</b>	
3-METHYLPENTANE	0.0555	0.2006		
N-HEXANE (C-6)	0.0980	0.3542	WT % BENZENE	0.1513
METHYLCYCLOPENTANES	0.0507	0.1790	WT % TOLUENE	0.1465
BENZENE	0.0462	0.1513	WT % E BENZENE	0.0053
CYCLOHEXANE	0.0739	0.2608	WT % XYLENES	0.0201
2-METHYLHEXANE	0.0069	0.0290	<b>HEATING VALUE</b>	
3-METHYLHEXANE	0.0173	0.0727		
DIMETHYLCYCLOPENTANES	0.0066	0.0272	BTU/CUFT, DRY	1218.1
HEPTANES	0.0130	0.0546	BTU/CUFT, SATURATED	1196.9
N-HEPTANE (C-7)	0.0233	0.0979		
METHYLCYCLOHEXANE	0.0349	0.1408		
2,2,4 TRIMETHYLPENTANE	0.0017	0.0081		
TOLUENE	0.0379	0.1465		
OCTANES	0.0135	0.0647		
N-OCTANE (C-8)	0.0063	0.0302		
ETHYL BENZENE	0.0012	0.0053		
P-M-XYLENE	0.0035	0.0156		
O-XYLENE	0.0010	0.0045		
NONANES	0.0107	0.0576		
N-NONANE (C-9)	0.0017	0.0091		
DECANES	0.0068	0.0406		
N-DECANE (C-10)	0.0010	0.0060		
UNDECANES PLUS	0.0035	0.0229		
<b>TOTALS</b>	<b>100.0000</b>	<b>100.0000</b>		

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ANALYSIS COMMENTS:		ANALYST:	J. R. PRITCHARD

COMPONENT	MOLE %	WEIGHT %	COMPONENT RATIOS	
HYDROGEN	0.0000	0.0000	HEPTANES (C7) MOLE %	0.1399
HELIUM	0.0000	0.0000	OCTANES (C8) MOLE %	0.0255
NITROGEN	4.0871	4.8018	NONANES (C9) MOLE %	0.0124
CARBON DIOXIDE	5.7950	10.6963	DECANES+ (C10+), MOLE %	0.0113
HYDROGEN SULFIDE	0.0180	0.0257		
METHANE	67.6182	45.4943	HEPTANES (C7) WEIGHT %	0.5687
ETHANE	11.3951	14.3705	OCTANES (C8) WEIGHT %	0.1203
PROPANE	6.6259	12.2540	NONANES (C9) WEIGHT %	0.0667
BUTANES	2.7771	6.7696	DECANES+ (C10+), WEIGHT %	0.0695
PENTANES	1.0448	3.1615		
BENZENE	0.0462	0.1513	SAMPLING CONDITIONS	
OTHER HEXANES	0.4018	1.4417	BAROMETRIC PRESSURE, INCH Hg*	29.84
2,2,4 TRIMETHYLPENTANE	0.0017	0.0081	BAROMETRIC PRESSURE, PSIA*	14.66
TOLUENE	0.0379	0.1465	AMBIENT TEMPERATURE, F*	72.0
OTHER HEPTANES	0.1020	0.4222	INITIAL SAMPLE PRESSURE, PSIG*	136.0
ETHYL BENZENE	0.0012	0.0053	INITIAL SAMPLE TEMP., F*	76.6
XYLENES (O, M, P	0.0045	0.0201		
OTHER OCTANES	0.0198	0.0949	TEST CONDITIONS	
NONANES	0.0124	0.0667	FINAL SAMPLE PRESSURE, PSIG	0.0
DECANES PLUS	0.0113	0.0695	FINAL SAMPLE TEMP., F	75.0
<b>TOTAL</b>	<b>100.0000</b>	<b>100.0000</b>		

\* AS REPORTED FROM FIELD DATA

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 583503

**DEFINITIONS**

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 583503
	Action Type: [C-129] Venting and/or Flaring (C-129)

**DEFINITIONS**

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- 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 583503

**QUESTIONS**

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 583503
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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	Unavailable.
Incident Facility	[fAPP2514238056] Millie Mile 13-24 Fed Com Battery

<b>Determination of Reporting Requirements</b>	
<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	No
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, major 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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	60
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	7
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 583503

**QUESTIONS (continued)**

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 583503
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/20/2025
Time vent or flare was discovered or commenced	08:00 AM
Time vent or flare was terminated	09:00 AM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Initial Flowback   Well   Natural Gas Flared   Released: 1,499 Mcf   Recovered: 0 Mcf   Lost: 1,499 Mcf.
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	High Line Pressure -3P.
Steps taken to limit the duration and magnitude of vent or flare	Waiting for well clean up.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Beyond operator control.



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ACKNOWLEDGMENTS

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	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 <b>complete</b> 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

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	Action Number: 583503
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
pmulkey	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.	5/28/2026