December 14, 2023

Santa Barbara County
Air Pollution Control District
260 N. San Antonio Rd, Suite A
Santa Barbara, CA 93110

Subject: Pacific Coast Energy Acquisition
Title V Permit Application Casmalia Stationary Source
Arellanes, Casmalia ICEs, Morganti, Muscia, NR Bonetti, and Righetti Leases

SSID 11516
FID 03212, 04216, 3303, 3304, 4501, and 3948

Too Whom it May Concern:

Enclosed is a Title V permit application to include above referenced leases in the Casmalia Field as part of the Orcutt Hill Field Stationary Source owned and operated by Pacific Coast Energy Company (PCEC).

Per District policy, the application fee Four Hundred and Ninety-one dollars ($491.00) per facility totaling Two Thousand Niine Hundred and Forty-six Dollars ($2,946.00) will be paid over the phone with staff.

Should you have any questions about this submittal, do not hesitate to contact me or Marianne Strange at 805-564-6590.

Sincerely,

P. Brown

Philip Brown
COO
805-937-2576

Enclosure

C: M. Strange, MFSA
Justin Martin, PCEC

Print Form

air pollution control district
SANTA BARBARA COUNTY

General Permit Application Form -01

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315

1. APPLICATION TYPE (check all that apply)**:**

- ☐ Authority to Construct (ATC)
- ☐ Permit to Operate (PTO)
- ☐ ATC Modification
- ☒ PTO Modification
- ☐ Other (Specify)
- ☐ Transfer of Owner/Operator (use Form -01T)
- ☐ Emission Reduction Credits
- ☐ Increase in Production Rate or Throughput
- ☐ Decrease in Production Rate or Throughput

Previous ATC/PTO Number (if known): Refer to the project description

◉ Yes ○ No Are Title 5 Minor Modification Forms Attached? (this applies to Title 5 sources only and applies to all application types except ATCs and Emission Reduction Credits). Complete Title 5 Form -1302 A1/A2, B, and M. Complete Title 5 Form -1302 C1/C2, D1/D2, E1/E2, F1/F2, G1/G2 as appropriate. http://www.ourair.org/wp-content/uploads/t5-forms.pdf

Mail or email the completed application to the APCD's Engineering Division at the address listed above or permits@sbcapcd.org.

2. FILING FEE:

A $491 application filing fee must be included with each application. The application filing fee is COLA-adjusted every July 1st. Please ensure you are remitting the correct current fee (the current fee schedule is available on the APCD's webpage at: http://www.ourair.org/district-fees). This filing fee will not be refunded or applied to any subsequent application. Payment may also be made by credit card by submitting the Credit Card Authorization Form found here https://www.ourair.org/wp-content/uploads/apcd-01c.pdf via mail or calling 805-979-8050 to pay via phone.

Do not submit the Credit Card Authorization Form via email.

3. IS YOUR PROJECT'S PROPERTY BOUNDARY LOCATED OR PROPOSED TO BE LOCATED WITHIN 1,000 FEET FROM THE OUTER BOUNDARY OF A SCHOOL? If yes, and the project results in an emissions increase, submit a completed Form -03 (*School Summary Form*) http://www.ourair.org/wp-content/uploads/apcd-03.pdf ○ Yes ◉ No

If yes, provide the name of school(s)

Address of school(s)

City Zip Code

4. DOES YOUR APPLICATION CONTAIN CONFIDENTIAL INFORMATION? ○ Yes ◉ No

If yes, please submit with a redacted duplicate application which shall be a public document. In order to be protected from disclosure to the public, all information claimed as confidential shall be submitted in accordance with APCD Policy & Procedure 6100-020 (*Handling of Confidential Information*): http://www.ourair.org/wp-content/uploads/6100-020.pdf, and meet the criteria of CA Govt Code Sec 6254.7. Failure to follow required procedures for submitting confidential information, or to declare it as confidential at the time of application, shall be deemed a waiver by the applicant of the right to protect such information from public disclosure. *Note: Part 70 permit applications may contain confidential information in accordance with the above procedures, however, the content of the permit documents must be public (no redactions).*

FOR APCD USE ONLY				DATE STAMP
FID	3304	Permit No.	PT-70 16214	Rec'd 12/18/2023
Project Name	Muscio Lease			
Filing Fee	$ 491.00		202.E? YES / NO	

CC Ending 9258 Marianne Strange

5. COMPANY/CONTACT INFORMATION:

Owner Info	○ Yes ◉ No	Use as Billing Contact?
Company Name	Pacific Coast Energy Acquisitions LLC	
Doing Business As	PCEA	
Contact Name	Lisa Toler	Position/Title: CFO
Mailing Address	1 Riverway, Suite 1025	
City	Houston	State: TX Zip Code: 77056
Telephone	281-782-8275	Cell: Email: Lisa.Toler@pceclp.com

Operator Info	◉ Yes ○ No	Use as Billing Contact?
Company Name	Pacific Coast Energy Company LP	
Doing Business As	PCEC	
Contact Name	Phil Brown	Position/Title: COO
Mailing Address	1555 Orcutt Hill Road	
City	Orcutt	State: CA Zip Code: 93455
Telephone	805-937-2576	Cell: Email: Philip.Brown@pceclp.com

Authorized Agent Info*	○ Yes ◉ No	Use as Billing Contact?
Company Name	M. F. Strange& Associates, Inc.	
Doing Business As	MFSA	
Contact Name	Marianne Strange	Position/Title: President
Mailing Address	P. O. Box 1484	
City	Santa Barbara	State: CA Zip Code: 93102
Telephone	80-564-6590	Cell: (805) 570-9740 Email: mstrange@mfsair.com

*Use this section if the application is not submitted by the owner/operator. Complete APCD Form -01A (http://www.ourair.org/wp-content/uploads/apcd-01a.pdf). Owner/Operator information above is still required.

SEND PERMITTING CORRESPONDENCE TO *(check all that apply)*:

- ☐ Owner
- ☒ Operator
- ☒ Authorized Agent
- ☐ Other (attach mailing information)

6. GENERAL NATURE OF BUSINESS OR AGENCY:

Oil and Gas

7. EQUIPMENT LOCATION (Address):

Specify the street address of the proposed or actual equipment location. If the location does not have a designated address, please specify the location by cross streets, or lease name, UTM coordinates, or township, range, and section.

Equipment Address

City: Orcutt State: CA Zip Code: 93455

Work Site Phone: +1 (805) 937-2576

○ Incorporated (within city limits) ◉ Unincorporated (outside city limits) ○ Used at Various Locations

Assessors Parcel No(s):

8. PROJECT DESCRIPTION:

(Describe the equipment to be constructed, modified and/or operated or the desired change in the existing permit. Attach a separate page if needed):

Due to common ownership and contiguous property boundaries, this application is to include Casmalia Stationary Source Leases Arellenas (PTO 8976-R11) Casmalia ICEs (PTO 8035-R11), Morganti (PTO 8096-R12), Muscio (PTO 8980-R10), NR Bonetti (PTO 8978-R10, and Righetti (PTO 8977-R10) as part of the Orcutt Hill Field Stationary Source owned and operated by Pacific Coast Energy Company (PCEC).

9. DO YOU REQUIRE A LAND USE PERMIT OR OTHER LEAD AGENCY PERMIT FOR THE PROJECT DESCRIBED IN THIS APPLICATION?: ○ Yes ◉ No

A. If **yes,** please provide the following information

Agency Name	Permit #	Phone #	Permit Date

* The lead agency is the public agency that has the principal discretionary authority to approve a project. The lead agency is responsible for determining whether the project will have a significant effect on the environment and determines what environmental review and environmental document will be necessary. The lead agency will normally be a city or county planning agency or similar, rather than the Air Pollution Control District.

B. If **yes,** has the lead agency permit application been deemed complete and is a copy of their completeness letter attached?

○ Yes ○ No

Please note that the APCD will not deem your application complete until the lead agency application is deemed complete.

C. If the lead agency permit application has not been deemed complete, please explain.

D. A copy of the final lead agency permit or other discretionary approval by the lead agency may be requested by the APCD as part of our completeness review process.

10. PROJECT STATUS:

A. Date of Equipment Installation: N/A

B. Have you been issued a Notice of Violation (NOV) for not obtaining a permit for this equipment/modification *and/or* have you installed this equipment without the required APCD permit(s)? If yes, the application filing is double per Rule 210. ○ Yes ◉ No

C. Is this application being submitted due to the loss of a Rule 202 exemption? ○ Yes ◉ No

D. Will this project be constructed in multiple phases? If yes, attach a separate description of the nature and extent of each project phase, including the associated timing, equipment and emissions. ○ Yes ◉ No

E. Is this application also for a change of owner/operator? If yes, please also include a completed APCD Form -01T. ○ Yes ◉ No

11. APPLICANT/PREPARER STATEMENT:

The person who prepares the application also must sign the permit application. The preparer may be an employee of the owner/operator or an authorized agent (contractor/consultant) working on behalf of the owner/operator (an *Authorized Agent Form -01A* is required).

I certify pursuant to H&SC Section 42303.5 that all information contained herein and information submitted with this application is true and correct.

Marianne Strange	Dec 14, 2023
Signature of application preparer	Date
Marianne Strange	MFSA
Print name of application preparer	Employer name

12. APPLICATION CHECKLIST (*check all that apply*)

☒ Application Filing Fee (Fee = $491. The application filing fee is COLA adjusted every July 1st. Please ensure you are remitting the current fee.) As a convenience to applicants, the APCD will accept credit card payments. If you wish to use this payment option, please complete a *Credit Card Form-01C* https://www.ourair.org/wp-content/uploads/apcd-01c.pdf and submit it via mail or call 805-979-8050 to pay over the phone. **Do not submit the *Credit Card Form-01C* via email**.

☐ Existing permitted sources may request that the filing fee be deducted from their current reimbursable deposits by checking this box. Please deduct the filing fee from my existing reimbursement account.

☐ Form -01T (*Transfer of Owner/Operator*) attached if this application also addresses a change in owner and/or operator status from what is listed on the current permit. http://www.ourair.org/wp-content/uploads/apcd-01t.pdf

☐ Form -03 (*School Summary Form*) attached if the project's property boundary is within 1,000 feet of the outer boundary of a school (k-12) and the project results in an emissions increase. http://www.ourair.org/wp-content/uploads/apcd-03.pdf

☒ Information required by the APCD for processing the application as identified in APCD Rule 204 (*Applications*), the APCD's *General APCD Information Requirements List* (https://www.ourair.org/wp-content/uploads/gen-info.pdf), and any of the APCD's Process/Equipment Summary Forms (http://www.ourair.org/permit-applications) that apply to the project.

☒ Form -01A (*Authorized Agent Form*) attached if this application was prepared by and/or if correspondence is requested to be sent to an Authorized Agent (e.g., contractor or consultant). This form must accompany each application. http://www.ourair.org/wp-content/uploads/apcd-01a.pdf

☐ Confidential Information submitted according to APCD Policy & Procedure 6100-020. (*Failure to follow Policy and Procedure 6100-020 is a waiver of right to claim information as confidential.*)

13. NOTICE OF CERTIFICATION:

All applicants must complete the following Notice of Certification. This certification must be signed by the Authorized Company Representative representing the owner/operator. Signatures by Authorized Agents will not be accepted.

NOTICE of CERTIFICATION

I, Phil Brown , am employed by or represent

Type or Print Name of Authorized Company Representative

PCEC

Type or Print Name of Business, Corporation, Company, Individual, or Agency

(hereinafter referred to as the applicant), and certify pursuant to H&SC Section 42303.5 that all information contained herein and information submitted with this application is true and correct and the equipment listed herein complies or can be expected to comply with said rules and regulations when operated in the manner and under the circumstances proposed. If the project fees are required to be funded by the cost reimbursement basis, as the responsible person, I agree that I will pay the Santa Barbara County Air Pollution Control District the actual recorded cost, plus administrative cost, incurred by the APCD in the processing of the application within 30 days of the billing date. If I withdraw my application, I further understand that I shall inform the APCD in writing and I will be charged for all costs incurred through closure of the APCD files on the project.

For applications submitted for Authority to Construct, modifications to existing Authority to Construct, and Authority to Construct/Permit to Operate permits, I hereby certify that all major stationary sources in the state and all stationary sources in the air basin which are owned or operated by the applicant, or by an entity controlling, controlled by, or under common control with the applicant, are in compliance, or are on approved schedule for compliance with all applicable emission limitations and standards under the Clean Air Act (42 USC 7401 *et seq.*) and all applicable emission limitations and standards which are part of the State Implementation Plan approved by the Environmental Protection Agency.

Completed By: Marianne Strange Title: Agent

Date: Dec 14, 2023 Phone: (805) 564-6590

Signature of Authorized Company Representative P. Brown

PLEASE NOTE THAT FAILURE TO COMPLETELY PROVIDE ALL REQUIRED INFORMATION OR FEES WILL RESULT IN YOUR APPLICATION BEING RETURNED OR DEEMED INCOMPLETE.

air pollution control district
SANTA BARBARA COUNTY

Print Form

Authorized Agent Form
Application Form -01A

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315

I hereby designate:

Agent's Name (print)	**Marianne Strange**
Agent's Business Name	**M. F. Strange & Associates, Inc.**
Agent's Phone Number	**805-564-6590**
Agent's Email	**mstrange@mfsair.com**
Agent's Address	**P. O. Box 1484**
City, State, Zip	**Santa Barbara CA 93012**

to serve as the Authorized Agent for my company: **Pacific Coast Energy Acquisitions LLC & PCEC**
(applicant or permitted company's name - print)

at **Casmalia Stationary Source**
(facility name(s) - print)

in dealing with the Santa Barbara County Air Pollution Control District (APCD) in matters regarding (check as appropriate):

- ☒ Permitting
- ☐ Billing
- ☒ Air Toxics/HRA
- ☒ Source Testing
- ☒ Inspections and Permit Compliance
- ☐ All of the above
- ☐ Other (state purpose):

This Designation included written correspondence, telephone discussions and meetings and shall remain in effect until it is suspended in writing by my company or the following date: **Indefinate** whichever is earlier.

As a designated Responsible Official, I hereby authorize the above mentioned agent to represent my company in the matters identified above:

Name (print)	**Philip Brown**
Title	**Chief Operating Officer**
Phone	**805-937-2576**
Email	**philip.brown@pceclp.com**
Address	**1555 Orcutt Hill Road**
City, State, Zip	**Orcutt, CA 93455**
Signature	P. Brown

For APCD use only. FID # _____ **App. #** _____

ARELLANES LEASE PTO 8976-R11 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY
(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

▶ APCD USE ONLY -ii(

APCD IDS Processing ID:

Application #: **Date Application Received:**

Application Filing Fee*: **Date Application Deemed Complete:**

I. SOURCE IDENTIFICATION

1. Source Name: Arellanes Lease Casmalia
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC
4. Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93455
5. Street Address of Source Location (include Zip Code):
6. UTM Coordinates (if required) (see instructions):
7. Source located within: 50 miles of the state line [ ] Yes [X] No
   50 miles of a Native American Nation [ ] Yes [X] No [ ] Not Applicable
8. Type of Organization: [X] Corporation [ ] Sole Ownership [ ] Government
   [ ] Partnership [ ] Utility Company
9. Legal Owner's Name: Pacific Coast Energy Acquisitions, LLC
10. Owner's Agent Name (if any): Marianne Strange Title: Environmental Consultant Telephone #: 805-564-6590
11. Responsible Official: Philip Brown Title: Chief Operations Officer Telephone #: 805-937-2576
12. Plant Site Manager/Contact: Doug Miller Title: Production Foreman Telephone #: 805-937-2576
13. Type of facility: Oil and Gas
14. General description of processes/products: Please refer to attached project description
15. Does your facility store, or otherwise handle, greater than threshold quantities of any substance on the Section 112(r) List of Substances and their Thresholds (see Attachment A)? [ ] Yes [X] No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [ ] Not Applicable [ ] Yes [X] No
    (If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

* Applications submitted without a filing fee will be returned to the applicant immediately as "improper" submittals

STATIONARY SOURCE SUMMARY
(Form 1302-A2)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY -<** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	**EXPIRATION** (date)
Initial SBCAPCD's Regulation XIII Application	8976 – R11	6/2025
Permit Renewal		
Significant Permit Revision*		
Minor Permit Revision*		
Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: a: [ ] Portable Source [ ] Voluntary Emissions Caps
   [ ] Acid Rain Source [ ] Alternative Operating Scenarios
   [ ] Source Subject to MACT Requirements [Section 112]

   b: [X] None of the options in 1.a. are applicable

2. Is source operating under a Title V Program Compliance Schedule? [ ] Yes [X] No

3. For permit modifications, provide a general description of the proposed permit modification:

*Requires APCD-approved NSR permit prior to a permit revision submittal

•

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY ""** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Please refer to attached project description.

POLLUTANT * (name)	**EMISSIONS** (tons per year)	**PRE-MODIFICATION EMISSIONS** (tons per year)	**EMISSIONS CHANGE** ** (tons per year)
NOx	306.70		N/A
ROC	191.06	NOT APPLICABLE FOR FIRST	1.77
CO	240.36	APPLICATION SUBMITTALS	N/A
SOx	19.21		N/A
PM	7.62		N/A
PM10	7.62		N/A
PM2.5	7.62		N/A

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COATING / SOLVENT EMISSION UNIT
(Form 1302-D1)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY <** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance ATC/PTO Number: 8976-R11
2. Equipment description:
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts. Coatings used for maintenance activities.

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	**MANUFACTURER** (name)	**MAXIMUM USE** (gal/day, gal/yr)	**VAPOR PRESSURE** (mm of Hg)	**SOLIDS CONTENT** (%)	**VOC CONTENT** (%)

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

3. Emissions for Emission Unit(s) described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Separators
2. Equipment type*: Oil and Gas Separators
3. Equipment description*: ATC/PTO Number: 8976-R11 (Device 100927)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY 4{** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Oil and Gas Wellheads
2. Equipment type*: Oil and Gas Well
3. Equipment description*: 5 Producing and idle wells ATC/PTO Number: 8976-R11 (Device 002615)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.02				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY 4{** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Well Cellars
2. Equipment type*: Well Cellars
3. Equipment description*: 5 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 8976-R11 (Device 002616)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.92				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Fugitive Hydrocarbon Components - CARB KVB
2. Equipment type*: Valves, Flanges, etc.
3. Equipment description*: Please refer to page 2 of attached equipment list ATC/PTO Number: 8976-R11 (Device 002614)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.82				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

EXEMPT EMISSIONS UNITS
(Form 1302-H)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

Are you claiming any emitting activities to be insignificant? (See definition at bottom of page)

YES X__ NO _____

I. ACTIVITIES CLAIMED TO BE INSIGNIFICANT (Attach supporting calculations)

Activity	Description of Activity/Emission Units	Potential to Emit for each Pollutant
Solvents & Coatings	Lab Cuts & Facility/Equipment Maintenance	0.1 TPY ROC

Insignificant activities are defined in APCD Rule 1301 (definitions). For an activity to be considered insignificant emissions cannot exceed 2 tons per year potential to emit (PTE) any criteria pollutants, and 0.5 tons per year for any regulated HAP.

Note: Insignificant activities are not exempt from Part 70 requirements/permits.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

I. PROCEDURE FOR USING FORM 1302-I

This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]			
APCD Rule 301	Circumvention	Entire Source	Yes	In Effect
APCD Rule 302	Visible Emissions	Entire Source	Yes	In Effect
APCD Rule 303	Nuisance	Entire Source	Yes	In Effect
APCD Rule 304	Particulate Matter – Northern Zone	Each PM Source	Yes	In Effect
APCD Rule 309	Specific Contaminants	Combustion Units	Yes	In Effect
APCD Rule 310	Odorous Organic Sulfides	Combustion Units	Yes	In Effect
APCD Rule 311	Sulfur Content of Fuel	Combustion Units	Yes	In Effect
APCD Rule 317	Organic Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 321	Solvent Cleaning Operations	Maintenance Operations	Yes	In Effect
APCD Rule 322	Metal Surface Coating Thinner and Reducer	Maintenance Operations	Yes	In Effect
APCD Rule 323	Architectural Coatings - Standards	Maintenance Operations	Yes	In Effect
APCD Rule 324	Disposal and Evaporation of Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 325	Crude Oil Production and Separation	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 331	Fugitive Emissions Inspection & Maintenance	All components (valves, flanges, seals, compressors, and pumps) used to handle oil and gas	Yes	In Effect
APCD Rule 333	Control of Emissions from Reciprocating IC Engines	Controlled Natural Gas (NG) fired rich burn ICEs	Yes	In Effect

COMPLIANCE PLAN (Form 1302-I1)

▶

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]			
APCD Rule 343	Petroleum Storage Tank Degassing	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 344	Petroleum Wells, Sumps and Cellars	Well cellars, sump, wastewater pits	Yes	In Effect
APCD Rule 346	Loading of Organic Liquids	Crude oil loading rack	Yes	In Effect
APCD Rule 353	Adhesives and Sealants	Maintenance Operations	Yes	In Effect
APCD Rule 359	Flares and Thermal Oxidizers	Flares	Yes	In Effect
APCD Rule 360	Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers	Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr	Yes	In Effect
APCD Rule 505.A,B1,D	Breakdown Conditions	All Emission Units	Yes	In Effect
APCD Rule 603	Emergency Episode Plans	Entire Source	Yes	In Effect
APCD Regulation VIII	New Source Review	Entire Source	Yes	In Effect
APCD Regulation XIII	Part 70 Operating Permits	Entire Source	Yes	In Effect
40 CFR Parts 51/52	New Source Review (Nonattainment Area Review and Prevention of Significant Deterioration)	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart A	New Source Performance Standards	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	Storage vessels for petroleum liquids constructed or modified prior to July 23, 1984	Exempt	In Effect
		Any new or replacement tanks constructed or modified after July 23, 1984	Yes	In Effect
40 CFR Part 60 Subpart OOOOa CCR Title 17, Division 3, Chapter 1, Subchapter 10	Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change	Entire Source	Yes	In Effect
40 CFR Part 61	National Emission Standards for Hazardous Air Pollutants	All stationary reciprocating internal combustion engines	Yes	In Effect

COMPLIANCE PLAN
(Form 1302-I1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

Applicable Federal Requirement[1]		**Affected Emission Unit**	**In compliance? (yes/no/exempt[3])**	**Effective Date[4]**
Regulatory Reference[2]	**Regulation Title**			
40 CFR Part 63	Maximum Achievable Control Technology	None	Exempt per §63.760(e)(1) based on 'black oil' production	In Effect
40 CFR Part 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Entire Source	Exempt – Not a major source of HAP's	In Effect
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	All stationary reciprocating internal combustion engines	Yes	In Effect
40 CFR Part 64	Compliance Assurance Monitoring	Emission units with a control device used to comply with an emission standard	Exempt – no control devices used to comply with an emission standard	In Effect
40 CFR Part 70	Operating Permits	Entire Source	Yes	In Effect

1 Review APCD SIP Rules, NSPS, NESHAPS, and MACTs .

2 Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)

3 If exempt from applicable federal requirement, include explanation for exemption.

4 Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.

COMPLIANCE PLAN (Form 1302-I1)

▶

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

Other Applicable Federal Requirements[5] *NOTE: PC # varies in each PTO*	Affected Emission Unit	In compliance?	Effective Date
PTO 08976 Condition 1 Emission Limits	All Devices	Yes	In Effect
PTO 08976 Condition 2.a Fugitive Hydrocarbon Inspection & Maintenance Plan	All Devices	Yes	In Effect
PTO 08976 Condition 2.b Well Cellars	Well Cellars (Device No. 002616)	Yes	In Effect
PTO 08976 Condition 3 Monitoring	All Devices	Yes	In Effect
PTO 08976 Condition 4 Recordkeeping	All Devices	Yes	In Effect
PTO 08976 Condition 5 Reporting	All Devices	Yes	In Effect
PTO 08976 Condition 6 Requirements for Produced Gas	All Devices	Yes	In Effect
PTO 08976 Condition 7 Facility Fugitive Hydrocarbon Emissions	All Devices	Yes	In Effect
PTO 08976 Condition 8 Greenhouse Gas Emissions Standards	All Devices	Yes	In Effect
PTO 08976 Condition 9 Consistency with Analysis	All Devices	Yes	In Effect
PTO 08976 Condition 10 Equipment Maintenance	All Devices	Yes	In Effect
PTO 08976 Condition 11 Compliance	All Devices	Yes	In Effect
PTO 08976 Condition 12 Severability	All Devices	Yes	In Effect
PTO 08976 Condition 13 Conflict Between Permits	All Devices	Yes	In Effect
PTO 08976 Condition 14 Access to Records and Facilities	All Devices	Yes	In Effect
PTO 08976 Condition 15 Equipment Identification	All Devices	Yes	In Effect
PTO 08976 Condition 16 Emission Factor Revisions	All Devices	Yes	In Effect
PTO 08976 Condition 17 Nuisance	All Devices	Yes	In Effect
PTO 08976 Condition 18 Grounds for Revocation	All Devices	Yes	In Effect
PTO 08976 Condition 19 Transfer of Owner/Operator	All Devices	Yes	In Effect
PTO 08976 Condition 20 Fugitive and Maintenance Plan	All Devices	Yes	In Effect

COMPLIANCE PLAN
(Form 1302-I1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

Applicable Federal Requirement[1]		**In compliance? (yes/no/exempt**[3]**)**	**Effective Date**[4]
Regulatory Reference[2]	**Affected Emission Unit**		
PTO 08976 Condition 21 Documents Incorporated by Reference	All Devices	Yes	In Effect

5 All environmentally significant permit conditions -- such as emission, operation, and throughput limitations or compliance monitoring conditions associated with such limitations -- listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements.

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN
(Form 1302-I2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Arellanes Lease Casmalia

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;**

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis[1];**

Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.[2]

P. Burns — 12/15/23

Signature of Responsible Official — Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.
2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

   The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT
(Form 1302-M)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS PROCESSING ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

___ Stationary Source Summary Form
___ Total Stationary Source Emission For
- ___ Compliance Plan Form
___ Compliance Plan Certification Form
___ Exempt Equipment Form
___ Certification Statement Form

List other forms or attachments

_____
_____
_____
_____

[ ] check here if additional forms listed on back

Attachments included with application

___ Description of Operating Scenarios
___ Sample emission calculations
___ Fugitive emission estimates
___ List of Applicable requirements
___ Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
___ Facility schematic showing emission points
___ NSR Permit
___ PSD Permit
___ Compliance Assurance monitoring protocols
___ Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.

P. Brown _____ 12/15/23

Signature of Responsible Official **Date**

Print Name of Responsible Official: **P h i l i p B r o w n**

Title of Responsible Official and Company Name: **Chief Operations Officer**

CERTIFICATION STATEMENT
(Form 1302-M continued)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY ""** **APCD IDS PROCESSING ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Arellanes Lease Casmalia

List Other Forms or Attachments (cont.)

Example Emission Calcuations

ATTACHMENT A
Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

Attachment: A-1
Permit Number: Reeval 8976-R11
Facility: Arellanes Lease

Input Data

Facility Information	*Value*	*Units*	*Reference*
Number of Active Wells at Facility	8	wells	Permit Application
Facility Gas Production	800,000	scf/day	Permit Application
Facility Dry Oil Production	800	bbls/day	Permit Application
Facility Gas to Oil Ratio (if > 500 then default to 501)	501	scf/bbl	Permit Application
API Gravity	11.3	degrees API	Permit Application
Facility Model Number	5	dimensionless	User Input
No. of Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
Composite Valve and Fitting Emission Factor	2.8053	lb/day-well	Table Below

Emission Factor Based on Lease Model

Lease Model	Valve Without Ethane	Fitting Without Ethane	Composite Without	Units
1	1.4921	0.9947	2.4868	lbs/day-well
2	0.6999	0.6092	1.3091	lbs/day-well
3	0.0217	0.0673	0.0890	lbs/day-well
4	4.5090	2.1319	6.6409	lbs/day-well
5	0.8628	1.9424	2.8053	lbs/day-well
6	1.7079	2.5006	4.2085	lbs/day-well

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500.
Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500.
Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500.
Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500.
Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500.
Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

Emission Source	lb/day	TPY
Valves and Fittings[a]	4.49	0.82
Sumps, Wastewater Tanks and Well Cellars[b]	8.13	1.48
Oil/Water Separators[b]	0.00	0.00
Pumps/Compressors/Well Heads[a]	0.13	0.02
Enhanced Oil Recovery Fields	0.00	0.00
Total ROC Potential to Emit [c]	**12.75**	**2.33**

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.
b. Emissions reflect control efficiencies where applicable.
c. Due to rounding, the totals may not appear correct

ATTACHMENT A
Emission Calculations

Unit Type Emission Calculations

Pumps, Compressors, and Well Heads Uncontrolled Emission Calculations

	Value	Units	Reference
Number of Wells	8	wells	Permit Application
Wellhead Emissions	0.0776	lb-ROC/day	Calculated Value
FHC from Pumps	0.0312	lb-ROC/day	Calculated Value
FHC from Compressors	0.5432	lb-ROC/day	Calculated Value
Total ROC Emissions	**0.65**	lb-ROC/day	Calculated Value

Well Cellars, Sumps, Covered Wastewater Tanks, and Oil/Water Separators

Separation Level	Heavy Oil Service	Light Oil Service	Units
Primary	0.0941	0.1380	lb ROC/ft^2-day
Secondary	0.0126	0.0180	lb ROC/ft^2-day
Tertiary	0.0058	0.0087	lb ROC/ft^2-day

WELL CELLARS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Well Cellars[(a)]	8	288	8.13		
				0.00	
					0.00
Daily ROC Emissions (lb/day)			**8.13**	**0.00**	**0.00**

Notes:

a. A 70% reduction is applied for implementation of Rule 344 (Sumps, Pits, and Well Cellars).

COVERED WASTEWATER TANKS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:

a. A 85% reduction is applied.

COVERED WASTEWATER TANK WITH VAPOR RECOVERY			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank with Vapor Recovery[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:

a. A 95% reduction is applied.

OIL AND WATER SEPARATORS		Type		
Equipment Type	**Total Throughput (MMgal)**	**Covered**	**Vapor Recovery**	**Open Top**
Oil and Water Separators [(a)(b)]	0	0.00		
	0		0.00	
	0			0.00
Daily ROC Emissions (lb/day)		**0.00**	**0.00**	**0.00**

Notes:

a. A 85% reduction is applied for covered, 85% for connected to vapor recovery, and 0% for open top.

b. Emission Factor of 560 lb-ROC/Mmgal

Processed By: KMB Date: 3/8/2022

PROJECT DESCRIPTION

This facility consists of five oil and gas production wells, five well cellars, three separators, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.

CASMALIA ICE PTO 8035-R12 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY
(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

▶ APCD USE ONLY -ii(

APCD IDS Processing ID:

Application #: **Date Application Received:**

Application Filing Fee*: **Date Application Deemed Complete:**

I. SOURCE IDENTIFICATION

1. Source Name: Casmalia IC Engines
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC
4. Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93455
5. Street Address of Source Location (include Zip Code):
6. UTM Coordinates (if required) (see instructions):
7. Source located within: 50 miles of the state line [ ] Yes [X] No
   50 miles of a Native American Nation [ ] Yes [X] No [ ] Not Applicable
8. Type of Organization: [X] Corporation [ ] Sole Ownership [ ] Government
   [ ] Partnership [ ] Utility Company
9. Legal Owner's Name: Pacific Coast Energy Company LP
10. Owner's Agent Name (if any): Marianne Strange Title: Environmental Consultant Telephone #: 805-564-6590
11. Responsible Official: Philip Brown Title: Chief Operations Officer Telephone #: 805-937-2576
12. Plant Site Manager/Contact: Doug Miller Title: Sr. Production Foreman Telephone #: 805-937-2576
13. Type of facility: Oil and Gas
14. General description of processes/products: Please refer to attached project description
15. Does your facility store, or otherwise handle, greater than threshold quantities of any substance on the Section 112(r) List of Substances and their Thresholds (see Attachment A)? [ ] Yes [X] No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [ ] Not Applicable [ ] Yes [X] No
    (If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

* Applications submitted without a filing fee will be returned to the applicant immediately as "improper" submittals

STATIONARY SOURCE SUMMARY
(Form 1302-A2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY -< APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Casmalia IC Engines

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	EXPIRATION (date)
Initial SBCAPCD's Regulation XIII Application	8035-R12	6/2025
Permit Renewal		
Significant Permit Revision*		
Minor Permit Revision*		
Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: a: [ ] Portable Source [ ] Voluntary Emissions Caps
   [ ] Acid Rain Source [ ] Alternative Operating Scenarios
   [ ] Source Subject to MACT Requirements [Section 112]

   b: [X] None of the options in 1.a. are applicable

2. Is source operating under a Title V Program Compliance Schedule? [ ] Yes [X] No

3. For permit modifications, provide a general description of the proposed permit modification:

*Requires APCD-approved NSR permit prior to a permit revision submittal

•

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY "" APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Casmalia IC Engines

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Please refer to attached project description.

POLLUTANT * (name)	EMISSIONS (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS CHANGE ** (tons per year)
NOx	306.70		12.48
ROC	191.06	NOT APPLICABLE FOR FIRST	0.79
CO	240.36	APPLICATION SUBMITTALS	10.48
SOx	19.21		0.85
PM	7.62		0.07
PM10	7.62		0.07
PM2.5	7.62		0.07

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Casmalia IC Engines

I. EMISSION UNIT DESCRIPTION

1. Equipment type: < 50 hp ICEs ATC/PTO Number: 8035 R12
2. Equipment description: 4 ICEs APCD Dev #s 005850, 112024, 004492, 004475
3. For piston ICEs: [ ] 2-stroke [X] 4-stroke [ ] NA
4. Equipment make, model & serial number: Please refer to the attached calculations
5. Maximum design process rate or maximum power input/output: Please refer to the attached calculations
6. Primary use: well pumps
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760___hours/year

2. Exhaust gas properties (temperature, SCFM, %H_2O, %O2 or %CO_2, % excess air):

3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft^3./yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Produced gas			

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C2)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY** ◀ **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Casmalia IC Engines

4. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	NOx	ROC	CO	Sox	PM, PM10 & PM2.5
A. Emissions	12.48	0.79	10.48	0.85	0.07
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D1)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY <** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: Casmalia IC Engines**

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance ATC/PTO Number 8035-R12
2. Equipment description:
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
   All solvent and coating emissions will be assumed on the Orcutt Hill stationary source under the Cal Coast Lease PTO 8826.
7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts. Coatings used for maintenance activities.

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	**MANUFACTURER** (name)	**MAXIMUM USE** (gal/day, gal/yr)	**VAPOR PRESSURE** (mm of Hg)	**SOLIDS CONTENT** (%)	**VOC CONTENT** (%)

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Casmalia IC Engines

3. Emissions for Emission Unit(s) described on page(s): fill in at end

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Casmalia IC Engines

I. PROCEDURE FOR USING FORM 1302-I

This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]			
APCD Rule 301	Circumvention	Entire Source	Yes	In Effect
APCD Rule 302	Visible Emissions	Entire Source	Yes	In Effect
APCD Rule 303	Nuisance	Entire Source	Yes	In Effect
APCD Rule 304	Particulate Matter – Northern Zone	Each PM Source	Yes	In Effect
APCD Rule 309	Specific Contaminants	Combustion Units	Yes	In Effect
APCD Rule 310	Odorous Organic Sulfides	Combustion Units	Yes	In Effect
APCD Rule 311	Sulfur Content of Fuel	Combustion Units	Yes	In Effect
APCD Rule 317	Organic Solvents	Maintenance/Wipe Cleaning	Yes exempt	In Effect
APCD Rule 321	Solvent Cleaning Operations	Maintenance Operations	Yes	In Effect
APCD Rule 322	Metal Surface Coating Thinner and Reducer	Maintenance Operations	Yes	In Effect
APCD Rule 323	Architectural Coatings - Standards	Maintenance Operations	Yes	In Effect
APCD Rule 324	Disposal and Evaporation of Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 325	Crude Oil Production and Separation	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 331	Fugitive Emissions Inspection & Maintenance	All components (valves, flanges, seals, compressors, and pumps) used to handle oil and gas	Yes	In Effect
APCD Rule 333	Control of Emissions from Reciprocating IC Engines	Controlled Natural Gas (NG) fired rich burn ICEs	Yes	In Effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
APCD Rule 343	Petroleum Storage Tank Degassing	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 344	Petroleum Wells, Sumps and Cellars	Well cellars, sump, wastewater pits	Yes	In Effect
APCD Rule 346	Loading of Organic Liquids	Crude oil loading rack	Yes	In Effect
APCD Rule 353	Adhesives and Sealants	Maintenance Operations	Yes	In Effect
APCD Rule 359	Flares and Thermal Oxidizers	Flares	Yes	In Effect
APCD Rule 360	Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers	Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr	Yes	In Effect
APCD Rule 505.A,B1,D	Breakdown Conditions	All Emission Units	Yes	In Effect
APCD Rule 603	Emergency Episode Plans	Entire Source	Yes	In Effect
APCD Regulation VIII	New Source Review	Entire Source	Yes	In Effect
APCD Regulation XIII	Part 70 Operating Permits	Entire Source	Yes	In Effect
40 CFR Parts 51/52	New Source Review (Nonattainment Area Review and Prevention of Significant Deterioration)	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart A	New Source Performance Standards	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	Storage vessels for petroleum liquids constructed or modified prior to July 23, 1984	Exempt there are no tanks at the Arellanes Lease	In Effect
		Any new or replacement tanks constructed or modified after July 23, 1984	Yes	In Effect
40 CFR Part 60 Subpart OOOOa And CCR Title 17, Division 3, Chapter 1, Subchapter 10	Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change	Entire Source	Yes	In Effect
40 CFR Part 61	National Emission Standards for Hazardous Air Pollutants	All stationary reciprocating internal combustion engines	Yes	In Effect
40 CFR Part 63	Maximum Achievable Control Technology	None	Exempt per §63.760(e)(1) based on 'black oil' production	In Effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
40 CFR Part 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Entire Source	Exempt – Not a major source of HAP's	In Effect
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	All stationary reciprocating internal combustion engines	Yes There are no ICEs at NR Bonetti Lease	In Effect
40 CFR Part 64	Compliance Assurance Monitoring	Emission units with a control device used to comply with an emission standard	Exempt – no control devices used to comply with an emission standard	In Effect
40 CFR Part 70	Operating Permits	Entire Source	Yes	In Effect

1 Review APCD SIP Rules, NSPS, NESHAPS, and MACTs .

2 Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)

3 If exempt from applicable federal requirement, include explanation for exemption.

4 Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.

Other Applicable Federal Requirements[5] *NOTE: PC # varies in each PTO*	Affected Emission Unit	In compliance?	Effective Date
PTO 08035 Condition 1 Emission Limits	All Devices	Yes	In Effect
PTO 08035 Condition 2. Heat input ,de-rating, fuel S limit, Maintenance	All Devices	Yes	In Effect
PTO 08035 Condition 3 Monitoring	All Devices	Yes	In Effect
PTO 08035 Condition 4 Recordkeeping	All Devices	Yes	In Effect
PTO 08035 Condition 5 Reporting	All Devices	Yes	In Effect
PTO 08035 Condition 6 Temporary ICEs	All Devices	Yes	In Effect
PTO 08035 Condition 7 Consistency with Analysis	All Devices	Yes	In Effect
PTO 08035 Condition 8 Equipment Maintenance	All Devices	Yes	In Effect
PTO 08035 Condition 9 Compliance	All Devices	Yes	In Effect
PTO 08035 Condition 10 Severability	All Devices	Yes	In Effect
PTO 08035 Condition 11 Conflict Between Permits	All Devices	Yes	In Effect
PTO 08035 Condition 12 Access to Records and Facilities	All Devices	Yes	In Effect
PTO 08035 Condition 13 Equipment Identification	All Devices	Yes	In Effect
PTO 08035 Condition 14 Emission Factor Revisions	All Devices	Yes	In Effect
PTO 08035 Condition 15 Nuisance	All Devices	Yes	In Effect
PTO 08035 Condition 16 Grounds for Revocation	All Devices	Yes	In Effect
PTO 08035 Condition 17 Transfer of Owner/Operator	All Devices	Yes	In Effect
PTO 08035 Condition 18 ICE PMCMP	All Devices	Yes	In Effect
PTO 08035 Condition 18 Grounds for Revocation	All Devices	Yes	In Effect
PTO 08035 Condition 19 Documents Incorporated by Reference	All Devices	Yes	In Effect

5 All environmentally significant permit conditions -- such as emission, operation, and throughput limitations or compliance monitoring conditions associated with such limitations -- listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements.

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN
(Form 1302-I2)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY** <. **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Casmalia IC Engines

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;**

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis[1];**

Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.[2]

P. Brown — 12/15/23

Signature of Responsible Official — Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.
2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

   The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT
(Form 1302-M)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Casmalia IC Engines

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

___ Stationary Source Summary Form
___ Total Stationary Source Emission For
- ___ Compliance Plan Form
___ Compliance Plan Certification Form
___ Exempt Equipment Form
___ Certification Statement Form

List other forms or attachments

APCD -01

[ ] check here if additional forms listed on back

Attachments included with application

___ Description of Operating Scenarios
___X Sample emission calculations
___ Fugitive emission estimates
___X List of Applicable requirements
___ Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
___ Facility schematic showing emission points
___ NSR Permit
___ PSD Permit
___ Compliance Assurance monitoring protocols
___ Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.

P. Brown — 12/15/23

Signature of Responsible Official **Date**

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT
(Form 1302-M continued)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY ""** **APCD IDS PROCESSING ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Casmalia IC Engines

List Other Forms or Attachments (cont.)

EMISSION CALCULATIONS

ATTACHMENT A
Emission Calculations

SPARK IGNITED ICE 1 EMISSION CALCULATIONS (G/BHP-HR BASIS) (Ver. 2.0)

Attachment: A-1
Permit Number: Reeval 8035-R11
Facility: Casmalia IC Engines

Engine Data

Parameters	*Value*	*Units*	*Reference / Notes*
Rich or Lean Burn (Enter R if Rich, or L if Lean)	R	None	Permit application
Engine Rating	47.2	bhp	Permit application
Brake Specific Fuel Consumption (Higher Heating Value Basis)	11,500	Btu/bhp-hr	Permit application
Daily Hours of Operation	24	hours/day	Permit application
Annual Hours of Operation	8,760	hours/year	Permit application

Fuel Data

Parameters	*Value*	*Units*	*Reference*
Sulfur Content of Fuel	796	ppmv	Permit application
Heat Content of Fuel	1,100	Btu/scf	Permit application

Emission Factors

Pollutant	*Value*	*Units*
NO_x Emission Factor	1.905	lb/MMBtu
ROC Emission Factor	0.121	lb/MMBtu
CO Emission Factor	1.600	lb/MMBtu
SO_x Emission Factor	0.130	lb/MMBtu
PM Emission Factor	0.010	lb/MMBtu
PM_{10} Emission Factor	0.010	lb/MMBtu
$PM_{2.5}$ Emission Factor	0.010	lb/MMBtu

Spark Ignited ICE Potential to Emit

Pollutant	lb/day	TPY
NO_x	24.82	4.53
ROC	1.58	0.29
CO	20.84	3.80
SO_x	1.69	0.31
PM	0.13	0.02
PM_{10}	0.13	0.02
$PM_{2.5}$	0.13	0.02

Processed By: KMB

Date: 8-Mar-22

ATTACHMENT A
Emission Calculations

SPARK IGNITED ICE 2 EMISSION CALCULATIONS (G/BHP-HR BASIS) (Ver. 2.0)

Attachment: A-2
Permit Number: Reeval 8035-R11
Facility: Casmalia IC Engines

Engine Data

Parameters	*Value*	*Units*	*Reference / Notes*
Rich or Lean Burn (Enter R if Rich, or L if Lean)	R	None	Permit application
Engine Rating	38.4	bhp	Permit application
Brake Specific Fuel Consumption (Higher Heating Value Basis)	10,500	Btu/bhp-hr	Permit application
Daily Hours of Operation	24	hours/day	Permit application
Annual Hours of Operation	8,760	hours/year	Permit application

Fuel Data

Parameters	*Value*	*Units*	*Reference*
Sulfur Content of Fuel	796	ppmv	Permit application
Heat Content of Fuel	1,100	Btu/scf	Permit application

Emission Factors

Pollutant	*Value*	*Units*
NO_x Emission Factor	1.905	lb/MMBtu
ROC Emission Factor	0.121	lb/MMBtu
CO Emission Factor	1.600	lb/MMBtu
SO_x Emission Factor	0.130	lb/MMBtu
PM Emission Factor	0.010	lb/MMBtu
PM_{10} Emission Factor	0.010	lb/MMBtu
$PM_{2.5}$ Emission Factor	0.010	lb/MMBtu

Spark Ignited ICE Potential to Emit

Pollutant	lb/day	TPY
NO_x	18.43	3.36
ROC	1.17	0.21
CO	15.48	2.83
SO_x	1.26	0.23
PM	0.10	0.02
PM_{10}	0.10	0.02
$PM_{2.5}$	0.10	0.02

Processed By: KMB

Date: 8-Mar-22

ATTACHMENT A
Emission Calculations

SPARK IGNITED ICE 3 EMISSION CALCULATIONS (G/BHP-HR BASIS) (Ver. 2.0)

Attachment: A-3
Permit Number: Reeval 8035-R11
Facility: Casmalia IC Engines

Engine Data

Parameters	*Value*	*Units*	*Reference / Notes*
Rich or Lean Burn (Enter R if Rich, or L if Lean)	R	None	Permit application
Engine Rating	25.0	bhp	Permit application
Brake Specific Fuel Consumption (Higher Heating Value Basis)	11,000	Btu/bhp-hr	Permit application
Daily Hours of Operation	24	hours/day	Permit application
Annual Hours of Operation	8,760	hours/year	Permit application

Fuel Data

Parameters	*Value*	*Units*	*Reference*
Sulfur Content of Fuel	796	ppmv	Permit application
Heat Content of Fuel	1,100	Btu/scf	Permit application

Emission Factors

Pollutant	*Value*	*Units*
NO_x Emission Factor	1.905	lb/MMBtu
ROC Emission Factor	0.121	lb/MMBtu
CO Emission Factor	1.600	lb/MMBtu
SO_x Emission Factor	0.130	lb/MMBtu
PM Emission Factor	0.010	lb/MMBtu
PM_{10} Emission Factor	0.010	lb/MMBtu
$PM_{2.5}$ Emission Factor	0.010	lb/MMBtu

Spark Ignited ICE Potential to Emit

Pollutant	lb/day	TPY
NO_x	12.57	2.29
ROC	0.80	0.15
CO	10.56	1.93
SO_x	0.86	0.16
PM	0.07	0.01
PM_{10}	0.07	0.01
$PM_{2.5}$	0.07	0.01

Processed By: KMB

Date: 8-Mar-22

PROJECT DESCRIPTION

Four produced gas-fired, rich bum internal combustion engines power oil well pumps located throughout the Casmalia Stationary Source. Two of these engines are derated using orifice plates.

MORGANTI LEASE PTO 8096-R12 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY
(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

▶ APCD USE ONLY -ii(

APCD IDS Processing ID:

Application #: **Date Application Received:**

Application Filing Fee*: **Date Application Deemed Complete:**

I. SOURCE IDENTIFICATION

1. Source Name: Morganti Lease Casmalia
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC
4. Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93455
5. Street Address of Source Location (include Zip Code):
6. UTM Coordinates (if required) (see instructions):
7. Source located within: 50 miles of the state line [ ] Yes [X] No
   50 miles of a Native American Nation [ ] Yes [X] No [ ] Not Applicable
8. Type of Organization: [X] Corporation [ ] Sole Ownership [ ] Government
   [ ] Partnership [ ] Utility Company
9. Legal Owner's Name: Pacific Coast Energy Company LP
10. Owner's Agent Name (if any): Marianne Strange Title: Environmental Consultant Telephone #: 805-564-6590
11. Responsible Official: Philip Brown Title: Chief Operations Officer Telephone #: 805-937-2576
12. Plant Site Manager/Contact: Doug Miller Title: Sr. Production Foreman Telephone #: 805-937-2576
13. Type of facility: Oil and Gas
14. General description of processes/products: Please refer to attached project description
15. Does your facility store, or otherwise handle, greater than threshold quantities of any substance on the Section 112(r) List of Substances and their Thresholds (see Attachment A)? [ ] Yes [X] No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [ ] Not Applicable [ ] Yes [X] No
    (If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

* Applications submitted without a filing fee will be returned to the applicant immediately as "improper" submittals

STATIONARY SOURCE SUMMARY
(Form 1302-A2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY -< APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	EXPIRATION (date)
Initial SBCAPCD's Regulation XIII Application	08096 – R12	6/2025
Permit Renewal		
Significant Permit Revision*		
Minor Permit Revision*		
Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: a: [ ] Portable Source [ ] Voluntary Emissions Caps
   [ ] Acid Rain Source [ ] Alternative Operating Scenarios
   [ ] Source Subject to MACT Requirements [Section 112]

   b: [X] None of the options in 1.a. are applicable

2. Is source operating under a Title V Program Compliance Schedule? [ ] Yes [X] No

3. For permit modifications, provide a general description of the proposed permit modification:

*Requires APCD-approved NSR permit prior to a permit revision submittal

•

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY "" APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Please refer to attached project description.

POLLUTANT * (name)	EMISSIONS (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS CHANGE ** (tons per year)
NOx	306.70		1.72
ROC	191.06	NOT APPLICABLE FOR FIRST	15.93
CO	240.36	APPLICATION SUBMITTALS	9.13
SOx	19.21		2.99
PM	7.62		0.50
PM10	7.62		0.50
PM2.5	7.62		0.53

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Glycol Reboiler ATC/PTO Number: 08096 – R12
2. Equipment description:0.10 MMBtu/Hr APCD Dev # 002830
3. For piston ICEs: [ ] 2-stroke [ ] 4-stroke [ ] NA
4. Equipment make, model & serial number:
5. Maximum design process rate or maximum power input/output:
6. Primary use: Disposal of excess produced gas
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____hours/year
2. Exhaust gas properties (temperature, SCFM, %H_2O, %O2 or %CO_2, % excess air):
3. Fuel specifications:

FUEL TYPE (name)	**MAX ANNUAL USAGE**** (ft^3./yr, lb/yr, gal/yr)	**HEATING VALUE** (BTU/lb or BTU/gal)	**SULFUR** (%)
Produced gas	876 MMBtu/yr	1200	<796

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY ◀ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

4. Emissions for Emission Units described on page(s):Glycol Reboiler

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	NOx	ROC	CO	SOX	PM, PM10 PM2.5
A. Emissions	0.04	0.00	0.02	0.05	0.00
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

III. EMISSION UNIT DESCRIPTION

1. Equipment type: Heater Treater ATC/PTO Number: 08096 – R12
2. Equipment description:3.0 MMBtu/Hr APCD Dev #108155
3. For piston ICEs: [ ] 2-stroke [ ] 4-stroke [ ] NA
4. Equipment make, model & serial number: National Boiler VFH S1050283
5. Maximum design process rate or maximum power input/output: 3.0 MMBtu/hr
6. Primary use: Disposal of excess produced gas
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any):

IV. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____hours/year

2. Exhaust gas properties (temperature, SCFM, %H_2O, %O2 or %CO_2, % excess air):

3. Fuel specifications:

FUEL TYPE (name)	**MAX ANNUAL USAGE**** (ft^3./yr, lb/yr, gal/yr)	**HEATING VALUE** (BTU/lb or BTU/gal)	**SULFUR** (%)
Produced gas	26280 MMBtu/yr	1200	<796

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C2)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY** ◀ **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

4. Emissions for Emission Units described on page(s):No associated emissions – cannot operate unit Rule 361 is achieved

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	NOx	ROC	CO	SOX	PM, PM10 PM2.5
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

5 For permit revisions only; emissions prior to project modification.
6 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
7 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
8 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

V. EMISSION UNIT DESCRIPTION

1. Equipment type: Boiler 1 & 2 ATC/PTO Number: 08096 – R12
2. Equipment description:0.3.0 & 4.72 MMBtu/Hr APCD Dev # 110345 & 106922
3. For piston ICEs: [ ] 2-stroke [ ] 4-stroke [ ] NA
4. Equipment make, model & serial number: Ajax HNP3000-W 55660 & Miura LX-200SG 47S43346
5. Maximum design process rate or maximum power input/output:
6. Primary use: Disposal of excess produced gas
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any):

VI. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____hours/year

2. Exhaust gas properties (temperature, SCFM, %H_2O, %O2 or %CO_2, % excess air):

3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft^3./yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Produced gas	26,280 and 41,347.2 MMBtu/yr	1200	<796

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C2)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY** ◀ **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

1. Emissions for Emission Units described on page(s): :No associated emissions – cannot operate unit Rule 361 is achieved

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	NOx	ROC	CO	SOX	PM, PM10 PM2.5
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

9 For permit revisions only; emissions prior to project modification.
10 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
11 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
12 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance ATC/PTO Number: 08096 – R12
2. Equipment description:
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
   All solvent and coating emissions will be assumed on the Orcutt Hill stationary source under the Cal Coast Lease PTO 8826.
7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts. Coatings used for maintenance activities.

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	MANUFACTURER (name)	MAXIMUM USE (gal/day, gal/yr)	VAPOR PRESSURE (mm of Hg)	SOLIDS CONTENT (%)	VOC CONTENT (%)

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

3. Emissions for Emission Unit(s) described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Crude Oil Tank #1 & 2 ATC/PTO Number: 08096 – R12
2. Equipment description: 1000 & 2000 bbl
3. Equipment make, model & serial number: Year constructed:
4. Control device(s) type and description (if any): VRU

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year

2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Crude	0.84		145	12,264,000

3. Throughput profile (% of total): 100 Jan-Mar 100 April-June 100 July-Sep 100 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof [ ] Underground [ ] Pressure Vessel [ ] Other:

2. Tank specifications: Max Fill Rate: gals/hr Max Withdrawal: gal/hr
   Height: 12 & 16 ft Vapor Space: ft
   Diameter: 21.5 & 29.8 ft Paint color:

   Capacity: gal

3. Shell type: [ ] Gunited [ ] Riveted [ ] Welded [ ] Other: bolted

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.04 & 0.06			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

IV. EMISSION UNIT DESCRIPTION

1. Equipment type: Diluent Tank — ATC/PTO Number: 08096 – R12
2. Equipment description: 750 bbl
3. Equipment make, model & serial number: — Year constructed:
4. Control device(s) type and description (if any): VRU

V. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day — 8760 hours/year

2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Diluent	0.5		64	11,497,500

3. Throughput profile (% of total): 100 Jan-Mar 100 April-June 100 July-Sep 100 Oct-Dec

VI. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof [ ] Underground [ ] Pressure Vessel [ ] Other:

2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 24 ft Vapor Space: _____ ft
   Diameter: 15.5 ft Paint color:

   Capacity: gal

3. Shell type: [ ] Gunited [ ] Riveted [] Welded [ ] Other: bolted

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.70			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

5 For permit revisions only; emissions prior to project modification.
6 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
7 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
8 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

VII. EMISSION UNIT DESCRIPTION

1. Equipment type: Wash Tank — ATC/PTO Number: 08096 – R12
2. Equipment description: 5000 bbl
3. Equipment make, model & serial number: — Year constructed:
4. Control device(s) type and description (if any): VRU

VIII. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day — 8760 hours/year

2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Crude & water	0.84		145	12,264,000

3. Throughput profile (% of total): 100 Jan-Mar 100 April-June 100 July-Sep 100 Oct-Dec

IX. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof [ ] Underground [ ] Pressure Vessel [ ] Other:

2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 12 & 16 ft Vapor Space: _____ ft
   Diameter: 21.5 & 29.8 ft Paint color:

   Capacity: gal

3. Shell type: [ ] Gunited [ ] Riveted [ ] Welded [ ] Other: bolted

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.00			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

9 For permit revisions only; emissions prior to project modification.
10 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
11 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
12 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

X. EMISSION UNIT DESCRIPTION

1. Equipment type: Produced Water Tank #1 & 2 — ATC/PTO Number: 08096 – R12
2. Equipment description: 1000 & 1000 bbl
3. Equipment make, model & serial number: — Year constructed:
4. Control device(s) type and description (if any): VRU

XI. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day — 8760 hours/year

2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Produced water				

3. Throughput profile (% of total): 100 Jan-Mar 100 April-June 100 July-Sep 100 Oct-Dec

XII. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof [ ] Underground [ ] Pressure Vessel [ ] Other:

2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 12 & 16 ft Vapor Space: _____ ft
   Diameter: 21.5 & 29.8 ft Paint color:

   Capacity: gal

3. Shell type: [ ] Gunited [ ] Riveted [ ] Welded [ ] Other: bolted

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.08 & 0.08			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

13 For permit revisions only; emissions prior to project modification.
14 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
15 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
16 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Separators
2. Equipment type*: Oil and Gas Separators
3. Equipment description*: 6 Oil & Gas Separators APCD Dev # 100961, 100968, 100967, 100955, 100972, 113346
   ATC/PTO Number: 08096 – R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY 4{** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

III. EMISSION UNIT DESCRIPTION

1. General process description: Scrubbers
2. Equipment type*: Gas Scrubbers
3. Equipment description*: 7 Gas scrubbers APCD Dev # 100954, 100966, 100956, 100969, 100970, 100971, 100957
   ATC/PTO Number: 08096 – R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any): N/A

IV. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

2. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

5 For permit revisions only; emissions prior to project modification.
6 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
7 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
8 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Oil and Gas Wellheads
2. Equipment type*: Oil and Gas Well
3. Equipment description*: 23 Producing and or idle wells ATC/PTO Number: 08096 – R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: oil 800 bbls/day and produced gas 800,000 scf/day
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)
		Oil	800 bbls/Day
		Produced Gas	800,000 scf/Day

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive currently calculated with KVB Method.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.357			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY** 4{ **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Sumps & Well Cellars
2. Equipment type*: Sumps & Well Cellars
3. Equipment description*: 23 well cellars, each with 36 sq. ft. of surface area APCD Dev # 2862, Sumps APCD Dev # 100963, 100962, 2831 ATC/PTO Number: 08096 – R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

1. Emissions for Emission Units described on previous page

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		2.67			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Fugitive Hydrocarbon Components -CLP Method
2. Equipment type*: Component Leak Paths.
3. Equipment description*: Valves, flanges connections etc. ATC/PTO Number: 08096 – R12
4. Equipment make, model & serial number: N/A
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.60			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I EMISSION UNIT DESCRIPTION

4. General process description: Loading Rack
5. Equipment type*: Oil Loading Rack and Diluent unloading rack
6. Equipment description*: APCD Dev # 1097227 & 5286 ATC/PTO Number: 08096 – R12
7. Equipment make, model & serial number:
8. Maximum design process rate or throughput: 160 bbl / hr
9. Control device(s) type and description (if any): N/A

II OPERATIONAL INFORMATION

10. Operating schedule: 24_____ hours/day 8760_____ hours/year
11. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
12. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

3. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions		0.14			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

9 For permit revisions only; emissions prior to project modification.
10 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
11 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
12 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

a. General process description: Pigging

b. Equipment type Pig Launcher

c. Equipment description*: APCD Dev # 100959 ATC/PTO Number: 08096 – R12

d. Equipment make, model & serial number:

e. Maximum design process rate or throughput: N/A

f. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

a. Operating schedule: 24_____ hours/day 8760_____ hours/year

b. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O

c. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions		0.01			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

13 For permit revisions only; emissions prior to project modification.
14 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
15 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
16 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

V. EMISSION UNIT DESCRIPTION

1. General process description: Glycol Contactor
2. Equipment type*: Gas Separators
3. Equipment description*: APCD Dev #100958 ATC/PTO Number: 08096 – R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any): N/A

VI. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

5. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

17 For permit revisions only; emissions prior to project modification.
18 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
19 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
20 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

a. General process description: Electric Motors & Pumps

b. Equipment type Electric Motors

c. Equipment description*: 2 Electric Motors APCD Dev #2829, 100964 & 1 Pump APCD Dev # 100952 ATC/PTO Number: 08096 – R12

d. Equipment make, model & serial number:

e. Maximum design process rate or throughput: N/A

f. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

a. Operating schedule: 24_____ hours/day 8760_____ hours/year

b. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O

c. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

6. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

21 For permit revisions only; emissions prior to project modification.
22 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
23 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
24 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

EMISSION CONTROL UNIT
(Form 1302-G1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

I. EQUIPMENT DESCRIPTION

1. General process description: Vapor Recovery
2. Equipment type: Compressor ATC/PTO Number: 08096 – R12
3. Equipment description: APCD Dev # 2859
4. Equipment make, model & serial number: :SN CAS42810
5. Emission unit(s) served by this equipment: Tanks and crude loading
6. Maximum design or rated capacity:15 HP

II. EQUIPMENT DESIGN INFORMATION

1. Exhaust gas: Temperature: _____ °F Flow Rate: _____ SCFM
   Moisture: _____ % Oxygen: _____ %
   CO_2: _____ %

2. General: Manufacturer: _____ Pressure Drop: _____ in-Hg
   Inlet Temp.: _____ °F Outlet Temp.: _____ °F

3. Catalyst data: Catalyst Type/Material: _____
   Catalyst Life: _____ years Volume: _____ Ft^3

   Space Velocity: _____ Ft^3/Ft NH3 inj. Rate: _____ gal/hr
   NH3 Inj. Temp.: _____ °F

4. Baghouse data: Design: [ ] Positive Pressure [ ] Negative Pressure
   Cleaning Method:
   Fabric Material:
   Flow Rate: _____ SCFM Air/Cloth Ratio:

5. ESP data: Number of fields: Cleaning Method:
   Power Input:

6. Scrubber data: Type/design: Sorbent Type:

7. Other Control Devices (include design information adequate to verify efficiency):

EMISSION CONTROL UNIT
(Form 1302-G2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

III. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw products used by control device:
3. Operating information:

POLLUTANTS AND EMISSION CONTROL INFORMATION

POLLUTANT (name)	INLET CONCENTRATION[2] (ppm or gr/DSCF[1])	OUTLET CONCENTRATION[2] (ppm or gr/DSCF[1])	CONTROL EFFICIENCY[2] (% by weight)
ROC			95

1 Specify percent O2 or percent CO2.

2 Provide information adequate to determine efficiency of control.

EMISSION CONTROL UNIT
(Form 1302-G1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

IV. EQUIPMENT DESCRIPTION

1. General process description: Flare
2. Equipment type: Combustion control device ATC/PTO Number: 08096 – R12
3. Equipment description: APCD Dev # 8428
4. Equipment make, model & serial number: :
5. Emission unit(s) served by this equipment: Tanks and crude loading
6. Maximum design or rated capacity:

V. EQUIPMENT DESIGN INFORMATION

1. Exhaust gas: Temperature: _____ °F Flow Rate: _____ SCFM
   Moisture: _____ % Oxygen: _____ %
   CO_2: _____ %

2. General: Manufacturer: _____ Pressure Drop: _____ in-Hg
   Inlet Temp.: _____ °F Outlet Temp.: _____ °F

3. Catalyst data: Catalyst Type/Material: _____
   Catalyst Life: _____ years Volume: _____ Ft^3

   Space Velocity: _____ Ft^3/Ft NH3 inj. Rate: _____ gal/hr
   NH3 Inj. Temp.: _____ °F

4. Baghouse data: Design: [ ] Positive Pressure [ ] Negative Pressure
   Cleaning Method:
   Fabric Material:
   Flow Rate: _____ SCFM Air/Cloth Ratio:

5. ESP data: Number of fields: Cleaning Method:
   Power Input:

6. Scrubber data: Type/design: Sorbent Type:

7. Other Control Devices (include design information adequate to verify efficiency):

EMISSION CONTROL UNIT
(Form 1302-G2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

VI. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw products used by control device:
3. Operating information:

POLLUTANTS AND EMISSION CONTROL INFORMATION

POLLUTANT (name)	INLET CONCENTRATION[2] (ppm or gr/DSCF[1])	OUTLET CONCENTRATION[2] (ppm or gr/DSCF[1])	CONTROL EFFICIENCY[2] (% by weight)
ROC			95

3 Specify percent O2 or percent CO2.

4 Provide information adequate to determine efficiency of control.

EXEMPT EMISSIONS UNITS
(Form 1302-H)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

Are you claiming any emitting activities to be insignificant? (See definition at bottom of page)

YES X__ NO _____

I. ACTIVITIES CLAIMED TO BE INSIGNIFICANT (Attach supporting calculations)

Activity	Description of Activity/Emission Units	Potential to Emit for each Pollutant
Solvents & Coatings	Lab Cuts & Facility/Equipment Maintenance	0.1 TPY ROC

Insignificant activities are defined in APCD Rule 1301 (definitions). For an activity to be considered insignificant emissions cannot exceed 2 tons per year potential to emit (PTE) any criteria pollutants, and 0.5 tons per year for any regulated HAP.

Note: Insignificant activities are not exempt from Part 70 requirements/permits.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

I. PROCEDURE FOR USING FORM 1302-I

This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]			
APCD Rule 301	Circumvention	Entire Source	Yes	In Effect
APCD Rule 302	Visible Emissions	Entire Source	Yes	In Effect
APCD Rule 303	Nuisance	Entire Source	Yes	In Effect
APCD Rule 304	Particulate Matter – Northern Zone	Each PM Source	Yes	In Effect
APCD Rule 309	Specific Contaminants	Combustion Units	Yes	In Effect
APCD Rule 310	Odorous Organic Sulfides	Combustion Units	Yes	In Effect
APCD Rule 311	Sulfur Content of Fuel	Combustion Units	Yes	In Effect
APCD Rule 317	Organic Solvents	Maintenance/Wipe Cleaning	Yes exempt	In Effect
APCD Rule 321	Solvent Cleaning Operations	Maintenance Operations	Yes	In Effect
APCD Rule 322	Metal Surface Coating Thinner and Reducer	Maintenance Operations	Yes	In Effect
APCD Rule 323	Architectural Coatings - Standards	Maintenance Operations	Yes	In Effect
APCD Rule 324	Disposal and Evaporation of Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 325	Crude Oil Production and Separation	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 331	Fugitive Emissions Inspection & Maintenance	All components (valves, flanges, seals, compressors, and pumps) used to handle oil and gas	Yes	In Effect
APCD Rule 333	Control of Emissions from Reciprocating IC Engines	Controlled Natural Gas (NG) fired rich burn ICEs	Yes	In Effect

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
APCD Rule 343	Petroleum Storage Tank Degassing	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 344	Petroleum Wells, Sumps and Cellars	Well cellars, sump, wastewater pits	Yes	In Effect
APCD Rule 346	Loading of Organic Liquids	Crude oil loading rack	Yes	In Effect
APCD Rule 353	Adhesives and Sealants	Maintenance Operations	Yes	In Effect
APCD Rule 359	Flares and Thermal Oxidizers	Flares	Yes	In Effect
APCD Rule 360	Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers	Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr	Yes	In Effect
APCD Rule 505.A,B1,D	Breakdown Conditions	All Emission Units	Yes	In Effect
APCD Rule 603	Emergency Episode Plans	Entire Source	Yes	In Effect
APCD Regulation VIII	New Source Review	Entire Source	Yes	In Effect
APCD Regulation XIII	Part 70 Operating Permits	Entire Source	Yes	In Effect
40 CFR Parts 51/52	New Source Review (Nonattainment Area Review and Prevention of Significant Deterioration)	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart A	New Source Performance Standards	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	Storage vessels for petroleum liquids constructed or modified prior to July 23, 1984	Exempt there are no tanks at the Arellanes Lease	In Effect
		Any new or replacement tanks constructed or modified after July 23, 1984	Yes	In Effect

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

Applicable Federal Requirement[1]	**Affected Emission Unit**	**In compliance? (yes/no/exempt[3])**	**Effective Date[4]**	
40 CFR Part 60 Subpart OOOOa And CCR Title 17, Division 3, Chapter 1, Subchapter 10	Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change	Entire Source	Yes	In Effect
40 CFR Part 61	National Emission Standards for Hazardous Air Pollutants	All stationary reciprocating internal combustion engines	Yes	In Effect
40 CFR Part 63	Maximum Achievable Control Technology	None	Exempt per §63.760(e)(1) based on 'black oil' production	In Effect
Regulatory Reference[2]	**Regulation Title[2]**			
40 CFR Part 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Entire Source	Exempt – Not a major source of HAP's	In Effect
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	All stationary reciprocating internal combustion engines	Yes There are no ICEs at NR Bonetti Lease	In Effect
40 CFR Part 64	Compliance Assurance Monitoring	Emission units with a control device used to comply with an emission standard	Exempt – no control devices used to comply with an emission standard	In Effect
40 CFR Part 70	Operating Permits	Entire Source	Yes	In Effect

1 Review APCD SIP Rules, NSPS, NESHAPS, and MACTs .
2 Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)
3 If exempt from applicable federal requirement, include explanation for exemption.
4 Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

Other Applicable Federal Requirements[5] *NOTE: PC # varies in each PTO*	Affected Emission Unit	In compliance?	Effective Date
PTO 08096 Condition 1 Emission Limits	All Devices	Yes	In Effect
PTO 08096 Condition 2 Operational Restrictions	All Devices	Yes	In Effect
PTO 08096 Condition 3 Monitoring	All Devices	Yes	In Effect
PTO 08096 Condition 4 Recordkeeping	All Devices	Yes	In Effect
PTO 08096 Condition 5 Reporting	All Devices	Yes	In Effect
PTO 08096 Condition 6 Compliance with 361	2.0-5.0 MMBtu Burners	Yes	In Effect
PTO 08096 Condition 7 Facility Fugitive Hydrocarbon Emissions	All component leak paths	Yes	In Effect
PTO 08096 Condition 8 Crudfe Oil Sampling	Production tanks	Yes	In Effect
PTO 08096 Condition9 Compliance with 346s	Loading Racks	Yes	In Effect
PTO 08096 Condition 10 External Combustion	External combustion burners	Yes	In Effect
PTO 08096 Condition 11 Requirements for produced gas	All Devices	Yes	In Effect
PTO 08096 Condition 12 GHG emission standards	All Devices	Yes	In Effect
PTO 08096 Condition 13 Consistency with Analysis	All Devices	Yes	In Effect
PTO 08096 Condition 14 Equipment Maintenance	All Devices	Yes	In Effect
PTO 08096 Condition 15 Compliance	All Devices	Yes	In Effect
PTO 08096 Condition 16 Severability	All Devices	Yes	In Effect
PTO 08096 Condition 17 Conflicts between permits	All Devices	Yes	In Effect
PTO 08096 Condition 18 Access to Records	All Devices	Yes	In Effect

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

PTO 08096 Condition 19 Equipment ID	All Devices	Yes	In Effect
PTO 08096 Condition 20 Emission Factor Revisions	All Devices	Yes	In Effect
PTO 08096 Condition 21 Nuisance	All Devices	Yes	In Effect
PTO 08096 Condition 22 Grounds for Revocation	All Devices	Yes	In Effect
PTO 08096 Condition 23 Transfer of Owner Operator	All Devices	Yes	In Effect
PTO 08096 Condition 24 Documents incorporated by Reference	All Devices	Yes	In Effect

5 All environmentally significant permit conditions -- such as emission, operation, and throughput limitations or compliance monitoring conditions associated with such limitations -- listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements.

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN
(Form 1302-I2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;**

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis[1];**

Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.[2]

P. Morganti 12/15/23

Signature of Responsible Official Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.
2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

   The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT
(Form 1302-M)

APCD:	▶ APCD USE ONLY <.
Santa Barbara County Air Pollution Control District	APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Morganti Lease Casmalia

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

___ Stationary Source Summary Form
___ Total Stationary Source Emission For
- ___ Compliance Plan Form
___ Compliance Plan Certification Form
___ Exempt Equipment Form
___ Certification Statement Form

List other forms or attachments

APCD -01

[ ] check here if additional forms listed on back

Attachments included with application

___ Description of Operating Scenarios
___X Sample emission calculations
___X Fugitive emission estimates
___X List of Applicable requirements
___ Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
___ Facility schematic showing emission points
___ NSR Permit
___ PSD Permit
___ Compliance Assurance monitoring protocols
___ Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.

P. Brown — 12/15/23

Signature of Responsible Official **Date**

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT
(Form 1302-M continued)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY ""** **APCD IDS PROCESSING ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Morganti Lease Casmalia

List Other Forms or Attachments (cont.)

EXAMPLE EMISSION CALCULATIONS

ATTACHMENT A
Emission Calculations

WASH TANK EMISSION CALCULATIONS (Ver. 4.0)

Attachment: A-1
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Basic Input Data

Information	Value	Reference
Liquid Type	Crude Oil	Permit Application
Liquid TVP	0.84	Permit Application
If TVP is entered, enter TVP temperature (°F)	145	Permit Application
Is the tank heated (Yes or No)?	Yes	Permit Application
If tank is heated, enter temperature (°F)	145	Permit Application
Is tanked to a VRS (Yes or No)?	Yes	Permit Application
Is this a wash tank (Yes or No)?	Yes	Permit Application
Will flashing losses occur (Yes or No)?	No	Permit Application
Breather vent pressure setting range (psi)	0.06	Permit Application (default of 0.06 psi)

Tank Data

Information	Value	Reference
Diameter (feet)	37.6	Permit Application
Capacity (barrels)	5,000	Permit Application
Capacity (gallons)	210,000	Calculated Value
Roof Type (Enter C if Conical, or D if Dome Roof)	c	Permit Application
Shell Height (feet)	24	Permit Application
Roof Height	1	Permit Application (default of 1 foot)
Average Liquid Height (feet)	23	Calculated Value
Tank Paint Color	Medium Gray	Permit Application
Condition (Enter 1 if Good, or 2 if Poor)	1	Permit Application (default of 0.06 psi)
Upstream pressure (psi)	0.06	Permit Application (0 psi when no flashing loses occur)

Liquid Data

Information	Value	Reference
Maximum Daily Throughput (barrels per day)	800	Permit Application
Maximum Annual Throughput (gallons)	1.226E+07	Calculated Value
RVP (psi)	0.38596	RVP Matrix
API Gravity (°)	10.3	Permit Application

Vapor Recovery System Data

Information	Value	Reference
Vapor Recovery System Long Term Efficiency	95.00%	SBCAPCD
Vapor Recovery System Short Term Efficiency	95.00%	SBCAPCD

Tank ROC Potential to Emit

	Uncontrolled Potential to Emit		*Controlled Potential to Emit*	
	lb/day	**TPY**	**lb/day**	**TPY**
Breathing Losses	0.05	0.01	0.00	0.00
Working Losses	0.00	0.00	0.00	0.00
Flashing Losses	0.00	0.00	0.00	0.00
Total	**0.05**	**0.01**	**0.00**	**0.00**

Processed By: KMB Date: 14-Mar-22

ATTACHMENT A
Emission Calculations

CRUDE OIL TANK 1 EMISSION CALCULATIONS (Ver. 4.0)

Attachment: A-2
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Basic Input Data

Information	*Value*	*Reference*
Liquid Type	Crude Oil	Permit Application
Liquid TVP	0.84	Permit Application
If TVP is entered, enter TVP temperature (°F)	145	Permit Application
Is the tank heated (Yes or No)?	Yes	Permit Application
If tank is heated, enter temperature (°F)	145	Permit Application
Is tanked to a VRS (Yes or No)?	Yes	Permit Application
Is this a wash tank (Yes or No)?	No	Permit Application
Will flashing losses occur (Yes or No)?	No	Permit Application
Breather vent pressure setting range (psi)	0.06	Permit Application (default of 0.06 psi)

Tank Data

Information	*Value*	*Reference*
Diameter (feet)	21.5	Permit Application
Capacity (barrels)	1,000	Permit Application
Capacity (gallons)	42,000	Calculated Value
Roof Type (Enter C if Conical, or D if Dome Roof)	c	Permit Application
Shell Height (feet)	12	Permit Application
Roof Height	1	Permit Application (default of 1 foot)
Average Liquid Height (feet)	6	Calculated Value
Tank Paint Color	Medium Gray	Permit Application
Condition (Enter 1 if Good, or 2 if Poor)	1	Permit Application (default of 0.06 psi)
Upstream pressure (psi)	0.06	Permit Application (0 psi when no flashing loses occur)

Liquid Data

Information	*Value*	*Reference*
Maximum Daily Throughput (barrels per day)	400	Permit Application
Maximum Annual Throughput (gallons)	6.132E+06	Calculated Value
RVP (psi)	0.38596	RVP Matrix
API Gravity (°)	10.3	Permit Application

Vapor Recovery System Data

Information	*Value*	*Reference*
Vapor Recovery System Long Term Efficiency	95.00%	SBCAPCD
Vapor Recovery System Short Term Efficiency	95.00%	SBCAPCD

Tank ROC Potential to Emit

	Uncontrolled Potential to Emit		*Controlled Potential to Emit*	
	lb/day	**TPY**	**lb/day**	**TPY**
Breathing Losses	0.07	0.01	0.00	0.00
Working Losses	4.13	0.75	0.21	0.04
Flashing Losses	0.00	0.00	0.00	0.00
Total	**4.20**	**0.77**	**0.21**	**0.04**

Processed By: KMB Date: 14-Mar-22

ATTACHMENT A
Emission Calculations

CRUDE OIL TANK 2 EMISSION CALCULATIONS (Ver. 4.0)

Attachment: A-3
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Basic Input Data

Information	*Value*	*Reference*
Liquid Type	Crude Oil	Permit Application
Liquid TVP	0.84	Permit Application
If TVP is entered, enter TVP temperature (°F)	145	Permit Application
Is the tank heated (Yes or No)?	Yes	Permit Application
If tank is heated, enter temperature (°F)	145	Permit Application
Is tanked to a VRS (Yes or No)?	Yes	Permit Application
Is this a wash tank (Yes or No)?	No	Permit Application
Will flashing losses occur (Yes or No)?	No	Permit Application
Breather vent pressure setting range (psi)	0.06	Permit Application (default of 0.06 psi)

Tank Data

Information	*Value*	*Reference*
Diameter (feet)	29.8	Permit Application
Capacity (barrels)	2,000	Permit Application
Capacity (gallons)	84,000	Calculated Value
Roof Type (Enter C if Conical, or D if Dome Roof)	c	Permit Application
Shell Height (feet)	16	Permit Application
Roof Height	1	Permit Application (default of 1 foot)
Average Liquid Height (feet)	8	Calculated Value
Tank Paint Color	Medium Gray	Permit Application
Condition (Enter 1 if Good, or 2 if Poor)	1	Permit Application (default of 0.06 psi)
Upstream pressure (psi)	0.06	Permit Application (0 psi when no flashing loses occur)

Liquid Data

Information	*Value*	*Reference*
Maximum Daily Throughput (barrels per day)	400	Permit Application
Maximum Annual Throughput (gallons)	6.132E+06	Calculated Value
RVP (psi)	0.38596	RVP Matrix
API Gravity (°)	10.3	Permit Application

Vapor Recovery System Data

Information	*Value*	*Reference*
Vapor Recovery System Long Term Efficiency	95.00%	SBCAPCD
Vapor Recovery System Short Term Efficiency	95.00%	SBCAPCD

Tank ROC Potential to Emit

	Uncontrolled Potential to Emit		*Controlled Potential to Emit*	
	lb/day	**TPY**	**lb/day**	**TPY**
Breathing Losses	0.17	0.03	0.01	0.00
Working Losses	6.47	1.18	0.32	0.06
Flashing Losses	0.00	0.00	0.00	0.00
Total	**6.64**	**1.21**	**0.33**	**0.06**

Processed By: KMB Date: 14-Mar-22

ATTACHMENT A
Emission Calculations

DILUENT TANK EMISSION CALCULATIONS (Ver. 4.0)

Attachment: A-4
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Basic Input Data

Information	Value	Reference
Liquid Type	Crude Oil	Permit Application
Liquid TVP	0.5	Permit Application
If TVP is entered, enter TVP temperature (°F)	67	Permit Application
Is the tank heated (Yes or No)?	No	Permit Application
If tank is heated, enter temperature (°F)	N/A	Permit Application
Is tanked to a VRS (Yes or No)?	No	Permit Application
Is this a wash tank (Yes or No)?	No	Permit Application
Will flashing losses occur (Yes or No)?	No	Permit Application
Breather vent pressure setting range (psi)	0.06	Permit Application (default of 0.06 psi)

Tank Data

Information	Value	Reference
Diameter (feet)	15.5	Permit Application
Capacity (barrels)	750	Permit Application
Capacity (gallons)	31,500	Calculated Value
Roof Type (Enter C if Conical, or D if Dome Roof)	c	Permit Application
Shell Height (feet)	24	Permit Application
Roof Height	1	Permit Application (default of 1 foot)
Average Liquid Height (feet)	12	Calculated Value
Tank Paint Color	Medium Gray	Permit Application
Condition (Enter 1 if Good, or 2 if Poor)	1	Permit Application (default of 0.06 psi)
Upstream pressure (psi)	0.06	Permit Application (0 psi when no flashing loses occur)

Liquid Data

Information	Value	Reference
Maximum Daily Throughput (barrels per day)	750	Permit Application
Maximum Annual Throughput (gallons)	1.150E+07	Calculated Value
RVP (psi)	1.21849	RVP Matrix
API Gravity (°)	20	Permit Application

Vapor Recovery System Data

Information	Value	Reference
Vapor Recovery System Long Term Efficiency	95.00%	SBCAPCD
Vapor Recovery System Short Term Efficiency	95.00%	SBCAPCD

Tank ROC Potential to Emit

	Uncontrolled Potential to Emit		*Controlled Potential to Emit*	
	lb/day	**TPY**	**lb/day**	**TPY**
Breathing Losses	0.73	0.13	0.73	0.13
Working Losses	3.13	0.57	3.13	0.57
Flashing Losses	0.00	0.00	0.00	0.00
Total	**3.86**	**0.70**	**3.86**	**0.70**

Processed By: KMB Date: 14-Mar-22

Permit to Operate 08096 - R12

ATTACHMENT A
Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CLP METHOD (Ver. 3.0)

Attachment: A-5
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Facility Information

Facility Type (Enter X Where Appropriate)
Production Field X Gas Processing Plant ____ Refinery ____ Offshore Platform ____

Gas/Condensate Service Component

Component Type	Component Count	THC Emission Factor (lb/day-clp)[a]	ROC/THC Ratio	Uncontrolled ROC Emission (lb/day)	Control Efficiency[b,c]	Controlled ROC Emission (lb/hr)	Controlled ROC Emission (lb/day)	Controlled ROC Emission (Tons/Qtr)	Controlled ROC Emission (Tons/Yr)
Valves - Accessible/Inaccessible	65	0.295	0.31	5.94	0.80	0.05	1.19	0.05	0.22
Valves - Unsafe	0	0.295	0.31	0.00	0.00	0.00	0.00	0.00	0.00
Valves - Bellows	0	0.295	0.31	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Bellows / Background ppmv	0	0.295	0.31	0.00	1.00	0.00	0.00	0.00	0.00
Valves - Category A	0	0.295	0.31	0.00	0.84	0.00	0.00	0.00	0.00
Valves - Category B	0	0.295	0.31	0.00	0.85	0.00	0.00	0.00	0.00
Valves - Category C	0	0.295	0.31	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category D	0	0.295	0.31	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category E	0	0.295	0.31	0.00	0.88	0.00	0.00	0.00	0.00
Valves - Category F	0	0.295	0.31	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Category G	0	0.295	0.31	0.00	0.92	0.00	0.00	0.00	0.00
Flanges/Connections - Accessible/Inaccessible	256	0.070	0.31	5.56	0.80	0.05	1.11	0.05	0.20
Flanges/Connections - Unsafe	0	0.070	0.31	0.00	0.00	0.00	0.00	0.00	0.00
Flanges/Connections - Category A	0	0.070	0.31	0.00	0.84	0.00	0.00	0.00	0.00
Flanges/Connections - Category B	0	0.070	0.31	0.00	0.85	0.00	0.00	0.00	0.00
Flanges/Connections - Category C	0	0.070	0.31	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category D	0	0.070	0.31	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category E	0	0.070	0.31	0.00	0.88	0.00	0.00	0.00	0.00
Flanges/Connections - Category F	0	0.070	0.31	0.00	0.90	0.00	0.00	0.00	0.00
Flanges/Connections - Category G	0	0.070	0.31	0.00	0.92	0.00	0.00	0.00	0.00
Compressor Seals - To Atm	1	2.143	0.31	0.66	0.80	0.01	0.13	0.01	0.02
Compressor Seals - To VRS	0	2.143	0.31	0.00	1.00	0.00	0.00	0.00	0.00
PSV - To Atm/Flare	2	6.670	0.31	4.14	0.80	0.03	0.83	0.04	0.15
PSV - To VRS	0	6.670	0.31	0.00	1.00	0.00	0.00	0.00	0.00
Pump Seals - Single	0	1.123	0.31	0.00	0.80	0.00	0.00	0.00	0.00
Pump Seals - Dual/Tandem	0	1.123	0.31	0.00	1.00	0.00	0.00	0.00	0.00
Gas Condensate Subtotals	**324**			**16.30**		**0.14**	**3.26**	**0.15**	**0.59**

Oil Service Components

Component Type	Component Count	THC Emission Factor (lb/day-clp)[a]	ROC/THC Ratio	Uncontrolled ROC Emission (lb/day)	Control Efficiency[b,c]	Controlled ROC Emission (lb/hr)	Controlled ROC Emission (lb/day)	Controlled ROC Emission (Tons/Qtr)	Controlled ROC Emission (Tons/Yr)
Valves - Accessible/Inaccessible	45	0.004	0.56	0.10	0.80	0.00	0.02	0.00	0.00
Valves - Unsafe	0	0.004	0.56	0.00	0.00	0.00	0.00	0.00	0.00
Valves - Bellows	0	0.004	0.56	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Bellows / Background ppmv	0	0.004	0.56	0.00	1.00	0.00	0.00	0.00	0.00
Valves - Category A	0	0.004	0.56	0.00	0.84	0.00	0.00	0.00	0.00
Valves - Category B	0	0.004	0.56	0.00	0.85	0.00	0.00	0.00	0.00
Valves - Category C	0	0.004	0.56	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category D	0	0.004	0.56	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category E	0	0.004	0.56	0.00	0.88	0.00	0.00	0.00	0.00
Valves - Category F	0	0.004	0.56	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Category G	0	0.004	0.56	0.00	0.92	0.00	0.00	0.00	0.00
Flanges/Connections - Accessible/Inaccessible	130	0.002	0.56	0.15	0.80	0.00	0.03	0.00	0.01
Flanges/Connections - Unsafe	0	0.002	0.56	0.00	0.00	0.00	0.00	0.00	0.00
Flanges/Connections - Category A	0	0.002	0.56	0.00	0.84	0.00	0.00	0.00	0.00
Flanges/Connections - Category B	0	0.002	0.56	0.00	0.85	0.00	0.00	0.00	0.00
Flanges/Connections - Category C	0	0.002	0.56	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category D	0	0.002	0.56	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category E	0	0.002	0.56	0.00	0.88	0.00	0.00	0.00	0.00
Flanges/Connections - Category F	0	0.002	0.56	0.00	0.90	0.00	0.00	0.00	0.00
Flanges/Connections - Category G	0	0.002	0.56	0.00	0.92	0.00	0.00	0.00	0.00
PSV - To Atm/Flare	0	0.267	0.56	0.00	0.80	0.00	0.00	0.00	0.00
PSV - To VRS	0	0.267	0.56	0.00	1.00	0.00	0.00	0.00	0.00
Pump Seals - Single	0	0.004	0.56	0.00	0.80	0.00	0.00	0.00	0.00
Pump Seals - Dual/Tandem	0	0.004	0.56	0.00	1.00	0.00	0.00	0.00	0.00
Oil Subtotals	175			0.25		0.00	0.05	0.00	0.01
Total	**499**			**16.55**		**0.14**	**3.31**	**0.15**	**0.60**

Notes:
a. District Policy and Procedure 6100.061.1998.
b. A 80% efficiency is assigned to fugitive components Rule 331 implementation.
c. Emission control efficiencies for each component type are identified in FHC Control Factors (Ver. 2.0).

Processed By: KMB Date: 14-Mar-22

ATTACHMENT A
Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

Attachment: A-6
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Input Data

Facility Information	*Value*	*Units*	*Reference*
Number of Active Wells at Facility	24	wells	Permit Application
Facility Gas Production	800,000	scf/day	Permit Application
Facility Dry Oil Production	800	bbls/day	Permit Application
Facility Gas to Oil Ratio (if > 500 then default to 501)	501	scf/bbl	Permit Application
API Gravity	10.3	degrees API	Permit Application
Facility Model Number	5	dimensionless	User Input
No. of Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
Composite Valve and Fitting Emission Factor	2.8053	lb/day-well	Table Below

Emission Factor Based on Lease Model

Lease Model	Valve Without Ethane	Fitting Without Ethane	Composite Without	Units
1	1.4921	0.9947	2.4868	lbs/day-well
2	0.6999	0.6092	1.3091	lbs/day-well
3	0.0217	0.0673	0.0890	lbs/day-well
4	4.5090	2.1319	6.6409	lbs/day-well
5	0.8628	1.9424	2.8053	lbs/day-well
6	1.7079	2.5006	4.2085	lbs/day-well

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500.
Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500.
Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500.
Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500.
Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500.
Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

Emission Source	lb/day	TPY
Valves and Fittings[a]	13.47	2.46
Sumps, Wastewater Tanks and Well Cellars[b]	37.87	6.91
Oil/Water Separators[b]	0.00	0.00
Pumps/Compressors/Well Heads[a]	0.39	0.07
Enhanced Oil Recovery Fields	0.00	0.00
Total ROC Potential to Emit [c]	**51.73**	**9.44**

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.
b. Emissions reflect control efficiencies where applicable.
c. Due to rounding, the totals may not appear correct

ATTACHMENT A
Emission Calculations

Unit Type Emission Calculations

Pumps, Compressors, and Well Heads Uncontrolled Emission Calculations

	Value	Units	Reference
Number of Wells	24	wells	Permit Application
Wellhead Emissions	0.2328	lb-ROC/day	Calculated Value
FHC from Pumps	0.0936	lb-ROC/day	Calculated Value
FHC from Compressors	1.6296	lb-ROC/day	Calculated Value
Total ROC Emissions	**1.96**	lb-ROC/day	Calculated Value

Well Cellars, Sumps, Covered Wastewater Tanks, and Oil/Water Separators

Separation Level	Heavy Oil Service	Light Oil Service	Units
Primary	0.0941	0.1380	lb ROC/ft^2-day
Secondary	0.0126	0.0180	lb ROC/ft^2-day
Tertiary	0.0058	0.0087	lb ROC/ft^2-day

WELL CELLARS			Level of Separation		
Equipment Type	Number	Total Area (ft^2)	Primary	Secondary	Tertiary
Well Cellars[a]	24	768	21.68		
	2	39		0.49	
	1	10		0.13	
	1	2,608			15.13
Daily ROC Emissions (lb/day)			**21.68**	**0.62**	**15.13**

Notes:
a. A 70% reduction is applied for implementation of Rule 344 (Sumps, Pits, and Well Cellars).

COVERED WASTEWATER TANKS			Level of Separation		
Equipment Type	Number	Total Area (ft^2)	Primary	Secondary	Tertiary
Covered Wastewater Tank[a]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:
a. A 85% reduction is applied.

COVERED WASTEWATER TANK WITH VAPOR RECOVERY			Level of Separation		
Equipment Type	Number	Total Area (ft^2)	Primary	Secondary	Tertiary
Covered Wastewater Tank with Vapor Recovery[a]	0	0	0.00		
	2	709		0.45	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.45**	**0.00**

Notes:
a. A 95% reduction is applied.

OIL AND WATER SEPARATORS		Type		
Equipment Type	Total Throughput (MMgal)	Covered	Vapor Recovery	Open Top
Oil and Water Separators [a][b]	0	0.00		
	0		0.00	
	0			0.00
Daily ROC Emissions (lb/day)		**0.00**	**0.00**	**0.00**

Notes:
a. A 85% reduction is applied for covered, 85% for connected to vapor recovery, and 0% for open top.
b. Emission Factor of 560 lb-ROC/Mmgal

Processed By: KMB Date: 14-Mar-22

ATTACHMENT A
Emission Calculations

CRUDE OIL LOADING RACK EMISSION CALCULATIONS (Ver. 4.2)

Attachment: A-7
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Rack Information

Rack Type	*Enter X Where Appropriate*	*S Factor*
Submerged Loading of a Clean Cargo Tank		0.50
Submerged Loading: Dedicated Normal Service	X	0.60
Submerged Loading: Dedicated Vapor Balance Service		1.00
Splash Loading of a Clean Cargo Tank		1.45
Splash Loading: Dedicated Normal Service		1.45
Splash Loading: Dedicated Vapor Balance Service		1.00

Input Data

Input data	*Value*	*Reference*
Saturation Factor	0.60	Previous Input, AP-42 Table 4.4-1
Molecular Weight	50	SBCAPCD Default for Crude Oil
True Vapor Pressure (psia)	0.840	Permit Application
Liquid Temperature (°F)	145	Permit Application
Loading Rate (bbl/hr)	160.00	Permit Application
Storage Capacity (bbl)	4,000	Permit Application
Daily Production (bbl)	800	Permit Application
Annual Production (bbl)	292,000	Permit Application
Vapor Recovery Efficiency	0.95	SBCAPCD
ROC/THC Reactivity	0.885	SBCAPCD Default for Crude Oil

Loading Rate Calculations

Calculated Information	*Value*	*Reference*
Daily Hours Loading (hours)	24.00	Calculated Value
Annual Hours Loading (hours)	1,825.00	Calculated Value
Loading Loss (lb / 1,000 gals)	0.5190	Calculated Value

Crude Oil Loading Rack ROC Potential to Emit

Controlled Potential to Emit	
lb/day	**3.70**
TPY	**0.14**

Processed By: KMB Date: 14-Mar-22

ATTACHMENT A
Emission Calculations

GLYCOL REBOILER EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-8
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input	0.100	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	2.400	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	876.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel	Produced Gas	N/A	Permit Application
High Heating Value	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel	796.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor	0.0920	lb/MMBtu	Uncontrolled Emission Factor
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0393	lb/MMBtu	Uncontrolled Emission Factor
SO_x Emission Factor	0.1191	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	0.22	0.04
ROC	0.01	0.00
CO	0.09	0.02
SO_x	0.29	0.05
PM	0.02	0.00
PM_{10}	0.02	0.00
$PM_{2.5}$	0.02	0.00

Processed By: KMB

Date: 14-Mar-22

ATTACHMENT A
Emission Calculations

OILFIELD FLARE EMISSION CALCULATIONS (Ver. 2.0)

Attachment: A-9
Permit Number: Reeval 8096-R12
Facility: Morganti Lease

Fuel Information

Data	*Value*	*Units*	*Reference*
Flare Throughput.....	0.113	MMscf/day	Permit Application
Gas Heat Content.....	1,200	Btu/scf	Permit Application
Sulfur Content.....	796	ppmv as H_2S	Permit Application

Heat Input Data

Value	*Units*	*Reference*
5.625	MMBtu/hour	Daily divided by 24 hr/day
135.000	MMBtu/day	Permit Application
49,275.000	MMBtu/year	Daily times 365 days/yr

Emission Factors

Pollutant	*lb/MMBtu*	*Reference*
NO_x	0.0680	AP-42, Table 13.5-1
ROC	0.2000	District February 2016 Flare Study
CO	0.3700	AP-42, Table 13.5-1
SO_x	0.1191	Mass Balance Calculation
PM	0.0200	SBCAPCD
PM_{10}	0.0200	AP-42, Chapter 1.4
$PM_{2.5}$	0.0200	AP-42, Chapter 1.4

Flare Potential to Emit

Pollutant	lb/day	TPY
NO_x	9.18	1.68
ROC	27.00	4.93
CO	49.95	9.12
SO_x	16.08	2.93
PM	2.70	0.49
PM_{10}	2.70	0.49
$PM_{2.5}$	2.70	0.49

Processed By: KMB Date: 14-Mar-22

PIGGING EMISSION CALCULATIONS

PROJECT DESCRIPTION

Oil, water, and gas are produced from twenty-three wells on the Morganti Lease. Diluent is injected into the formation to enhance productivity at this facility. Additionally, production from Arellanes Lease, Muscio Lease, N.R. Bonetti Lease and Righetti Lease are piped to the central processing facility located at the Morganti Lease.

Production is initially routed to separator vessels where produced gas is separated from the produced fluids. The produced fluids are routed to the wash tank where the produced water is separated. The produced water is then routed to the wastewater tanks and re-injected into the formation via disposal wells. The oil is routed to the crude oil storage tanks then trucked from the facility via a truck loading rack.

Produced gas and gas collected by the vapor recovery system is treated for hydrogen sulfide using scrubbers and then used as fuel in the glycol reboiler or flared.

MUSCIO LEASE PTO 8980-R10 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY
(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

▶ APCD USE ONLY -ii(

APCD IDS Processing ID:

Application #: **Date Application Received:**

Application Filing Fee*: **Date Application Deemed Complete:**

I. SOURCE IDENTIFICATION

1. Source Name: Muscio Lease Casmalia
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC
4. Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93455
5. Street Address of Source Location (include Zip Code):
6. UTM Coordinates (if required) (see instructions):
7. Source located within: 50 miles of the state line [ ] Yes [X] No
   50 miles of a Native American Nation [ ] Yes [X] No [ ] Not Applicable
8. Type of Organization: [X] Corporation [ ] Sole Ownership [ ] Government
   [ ] Partnership [ ] Utility Company
9. Legal Owner's Name: Pacific Coast Energy Company LP
10. Owner's Agent Name (if any): Marianne Strange Title: Environmental Consultant Telephone #: 805-564-6590
11. Responsible Official: Philip Brown Title: Chief Operations Officer Telephone #: 805-937-2576
12. Plant Site Manager/Contact: Doug Miller Title: Sr. Production Foreman Telephone #: 805-937-2576
13. Type of facility: Oil and Gas
14. General description of processes/products: Please refer to attached project description
15. Does your facility store, or otherwise handle, greater than threshold quantities of any substance on the Section 112(r) List of Substances and their Thresholds (see Attachment A)? [ ] Yes [X] No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [ ] Not Applicable [ ] Yes [X] No
    (If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

* Applications submitted without a filing fee will be returned to the applicant immediately as "improper" submittals

STATIONARY SOURCE SUMMARY
(Form 1302-A2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY -< APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	EXPIRATION (date)
Initial SBCAPCD's Regulation XIII Application	8980 – R10	5/2025
Permit Renewal		
Significant Permit Revision*		
Minor Permit Revision*		
Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: a: [ ] Portable Source [ ] Voluntary Emissions Caps
   [ ] Acid Rain Source [ ] Alternative Operating Scenarios
   [ ] Source Subject to MACT Requirements [Section 112]

   b: [X] None of the options in 1.a. are applicable

2. Is source operating under a Title V Program Compliance Schedule? [ ] Yes [X] No

3. For permit modifications, provide a general description of the proposed permit modification:

*Requires APCD-approved NSR permit prior to a permit revision submittal

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TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY ""** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Muscio Lease Casmalia

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Please refer to attached project description.

POLLUTANT * (name)	**EMISSIONS** (tons per year)	**PRE-MODIFICATION EMISSIONS** (tons per year)	**EMISSIONS CHANGE** ** (tons per year)
NOx	306.70		N/A
ROC	191.06	NOT APPLICABLE FOR FIRST	0.58
CO	240.36	APPLICATION SUBMITTALS	N/A
SOx	19.21		N/A
PM	7.62		N/A
PM10	7.62		N/A
PM2.5	7.62		N/A

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COATING / SOLVENT EMISSION UNIT
(Form 1302-D1)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY <** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: Orcutt Field, Muscio Lease**

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance ATC/PTO Number: 8976-R11
2. Equipment description:
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
   All solvent and coating emissions will be assumed on the Orcutt Hill stationary source under the Cal Coast Lease PTO 8826.
7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts. Coatings used for maintenance activities.

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	**MANUFACTURER** (name)	**MAXIMUM USE** (gal/day, gal/yr)	**VAPOR PRESSURE** (mm of Hg)	**SOLIDS CONTENT** (%)	**VOC CONTENT** (%)

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

3. Emissions for Emission Unit(s) described on page(s): fill in at end

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Separators
2. Equipment type*: Oil and Gas Separators
3. Equipment description*: 1 Oil & Gas Separator ATC/PTO Number: 8980-R10 (Device 100935)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ APCD USE ONLY 4{ **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Muscio Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Oil and Gas Wellheads
2. Equipment type*: Oil and Gas Well
3. Equipment description*: 2 Producing and or idle wells ATC/PTO Number: 8980-R10 (Device 002869)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: oil 800 bbls/day and produced gas 800,000 scf/day
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)
		Oil	800 bbls/Day
		Produced Gas	800,000 scf/Day

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY 4{** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: O** Muscio Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Well Cellars
2. Equipment type*: Well Cellars
3. Equipment description*: 2 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 8980-R10 (Device 002870)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

1. Emissions for Emission Units described on previous page

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.37			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Fugitive Hydrocarbon Components - CARB KVB
2. Equipment type*: Component Leak Paths.
3. Equipment description*: Valves, flanges connections etc. ATC/PTO Number: 8980-R10 (Device 002863)
4. Equipment make, model & serial number: N/A
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.21			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

EXEMPT EMISSIONS UNITS
(Form 1302-H)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Muscio Lease Casmalia

Are you claiming any emitting activities to be insignificant? (See definition at bottom of page)

YES X__ NO _____

I. ACTIVITIES CLAIMED TO BE INSIGNIFICANT (Attach supporting calculations)

Activity	Description of Activity/Emission Units	Potential to Emit for each Pollutant
Solvents & Coatings	Lab Cuts & Facility/Equipment Maintenance	0.1 TPY ROC

Insignificant activities are defined in APCD Rule 1301 (definitions). For an activity to be considered insignificant emissions cannot exceed 2 tons per year potential to emit (PTE) any criteria pollutants, and 0.5 tons per year for any regulated HAP.

Note: Insignificant activities are not exempt from Part 70 requirements/permits.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

I. PROCEDURE FOR USING FORM 1302-I

This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]			
APCD Rule 301	Circumvention	Entire Source	Yes	In Effect
APCD Rule 302	Visible Emissions	Entire Source	Yes	In Effect
APCD Rule 303	Nuisance	Entire Source	Yes	In Effect
APCD Rule 304	Particulate Matter – Northern Zone	Each PM Source	Yes	In Effect
APCD Rule 309	Specific Contaminants	Combustion Units	Yes	In Effect
APCD Rule 310	Odorous Organic Sulfides	Combustion Units	Yes	In Effect
APCD Rule 311	Sulfur Content of Fuel	Combustion Units	Yes	In Effect
APCD Rule 317	Organic Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 321	Solvent Cleaning Operations	Maintenance Operations	Yes	In Effect
APCD Rule 322	Metal Surface Coating Thinner and Reducer	Maintenance Operations	Yes	In Effect
APCD Rule 323	Architectural Coatings - Standards	Maintenance Operations	Yes	In Effect
APCD Rule 324	Disposal and Evaporation of Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 325	Crude Oil Production and Separation	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 331	Fugitive Emissions Inspection & Maintenance	All components (valves, flanges, seals, compressors, and pumps) used to handle oil and gas	Yes	In Effect
APCD Rule 333	Control of Emissions from Reciprocating IC Engines	Controlled Natural Gas (NG) fired rich burn ICEs	Yes	In Effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
APCD Rule 343	Petroleum Storage Tank Degassing	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 344	Petroleum Wells, Sumps and Cellars	Well cellars, sump, wastewater pits	Yes	In Effect
APCD Rule 346	Loading of Organic Liquids	Crude oil loading rack	Yes	In Effect
APCD Rule 353	Adhesives and Sealants	Maintenance Operations	Yes	In Effect
APCD Rule 359	Flares and Thermal Oxidizers	Flares	Yes	In Effect
APCD Rule 360	Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers	Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr	Yes	In Effect
APCD Rule 505.A,B1,D	Breakdown Conditions	All Emission Units	Yes	In Effect
APCD Rule 603	Emergency Episode Plans	Entire Source	Yes	In Effect
APCD Regulation VIII	New Source Review	Entire Source	Yes	In Effect
APCD Regulation XIII	Part 70 Operating Permits	Entire Source	Yes	In Effect
40 CFR Parts 51/52	New Source Review (Nonattainment Area Review and Prevention of Significant Deterioration)	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart A	New Source Performance Standards	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	Storage vessels for petroleum liquids constructed or modified prior to July 23, 1984	Exempt there are no tanks at the Arellanes Lease	In Effect
		Any new or replacement tanks constructed or modified after July 23, 1984	Yes	In Effect
40 CFR Part 60 Subpart OOOOa And CCR Title 17, Division 3, Chapter 1, Subchapter 10	Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change	Entire Source	Yes	In Effect
40 CFR Part 61	National Emission Standards for Hazardous Air Pollutants	All stationary reciprocating internal combustion engines	Yes	In Effect
40 CFR Part 63	Maximum Achievable Control Technology	None	Exempt per §63.760(e)(1) based on 'black oil' production	In Effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
40 CFR Part 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Entire Source	Exempt – Not a major source of HAP's	In Effect
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	All stationary reciprocating internal combustion engines	Yes There are no ICEs at Arellanes Lease	In Effect
40 CFR Part 64	Compliance Assurance Monitoring	Emission units with a control device used to comply with an emission standard	Exempt – no control devices used to comply with an emission standard	In Effect
40 CFR Part 70	Operating Permits	Entire Source	Yes	In Effect

1 Review APCD SIP Rules, NSPS, NESHAPS, and MACTs .

2 Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)

3 If exempt from applicable federal requirement, include explanation for exemption.

4 Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.

Other Applicable Federal Requirements[5] *NOTE: PC # varies in each PTO*	Affected Emission Unit	In compliance?	Effective Date
PTO 08980 Condition 1 Emission Limits	All Devices	Yes	In Effect
PTO 08980 Condition 2.a Fugitive Hydrocarbon Inspection & Maintenance Plan	All component leak paths	Yes	In Effect
PTO 08980 Condition 2.b Well Cellars	Well Cellars (Device No. 002616)	Yes	In Effect
PTO 08980Condition 3 Monitoring	All Devices	Yes	In Effect
PTO 08980Condition 4 Recordkeeping	All Devices	Yes	In Effect
PTO 08976 Condition 5 Reporting	All Devices	Yes	In Effect
PTO 08980 Condition 6 Requirements for Produced Gas	All Devices	Yes	In Effect
PTO 08980 Condition 7 Facility Fugitive Hydrocarbon Emissions	All component leak paths	Yes	In Effect
PTO 08980 Condition 8 Greenhouse Gas Emissions Standards	All Devices	Yes	In Effect
PTO 08980 Condition 9 Consistency with Analysis	All Devices	Yes	In Effect
PTO 08980 Condition 10 Equipment Maintenance	All Devices	Yes	In Effect
PTO 08980 Condition 11 Compliance	All Devices	Yes	In Effect
PTO 08980 Condition 12 Severability	All Devices	Yes	In Effect
PTO 08980 Condition 13 Conflict Between Permits	All Devices	Yes	In Effect
PTO 08980Condition 14 Access to Records and Facilities	All Devices	Yes	In Effect
PTO 08976 Condition 15 Equipment Identification	All Devices	Yes	In Effect
PTO 08980 Condition 16 Emission Factor Revisions	All Devices	Yes	In Effect
PTO 08980 Condition 17 Nuisance	All Devices	Yes	In Effect
PTO 08980 Condition 18 Grounds for Revocation	All Devices	Yes	In Effect
PTO 08980 Condition 19 Transfer of Owner/Operator	All Devices	Yes	In Effect
PTO 08980 Condition 20 Documents Incorporated by Reference	All Devices	Yes	In Effect

5 All environmentally significant permit conditions -- such as emission, operation, and throughput limitations or compliance monitoring conditions associated with such limitations -- listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements.

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN
(Form 1302-I2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Muscio Lease Casmalia

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;**

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis[1];**

Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.[2]

P. Bruni — Signature of Responsible Official

12/15/23 — Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.

2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

   The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT
(Form 1302-M)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Muscio Lease Casmalia

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

___ Stationary Source Summary Form
___ Total Stationary Source Emission For
- ___ Compliance Plan Form
___ Compliance Plan Certification Form
___ Exempt Equipment Form
___ Certification Statement Form

List other forms or attachments

APCD -01

[ ] check here if additional forms listed on back

Attachments included with application

___ Description of Operating Scenarios
___X Sample emission calculations
___X Fugitive emission estimates
___X List of Applicable requirements
___ Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
___ Facility schematic showing emission points
___ NSR Permit
___ PSD Permit
___ Compliance Assurance monitoring protocols
___ Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.

P. Brown — 12/15/23

Signature of Responsible Official **Date**

Print Name of Responsible Official: **Philip Brown**

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT
(Form 1302-M continued)

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY ""** **APCD IDS PROCESSING ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME:** Muscio Lease Casmalia

List Other Forms or Attachments (cont.)

EXAMPLE EMISSION CALCULATIONS

ATTACHMENT A
Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

Attachment: A-1
Permit Number: Reeval 8980-R10
Facility: Muscio Lease

Input Data

Facility Information	*Value*	*Units*	*Reference*
Number of Active Wells at Facility	2	wells	Permit Application
Facility Gas Production	800,000	scf/day	Permit Application
Facility Dry Oil Production	800	bbls/day	Permit Application
Facility Gas to Oil Ratio (if > 500 then default to 501)	501	scf/bbl	Permit Application
API Gravity	11.3	degrees API	Permit Application
Facility Model Number	5	dimensionless	User Input
No. of Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
Composite Valve and Fitting Emission Factor	2.8053	lb/day-well	Table Below

Emission Factor Based on Lease Model

Lease Model	Valve Without Ethane	Fitting Without Ethane	Composite Without	Units
1	1.4921	0.9947	2.4868	lbs/day-well
2	0.6999	0.6092	1.3091	lbs/day-well
3	0.0217	0.0673	0.0890	lbs/day-well
4	4.5090	2.1319	6.6409	lbs/day-well
5	0.8628	1.9424	2.8053	lbs/day-well
6	1.7079	2.5006	4.2085	lbs/day-well

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500.
Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500.
Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500.
Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500.
Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500.
Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

Emission Source	lb/day	TPY
Valves and Fittings[a]	1.12	0.20
Sumps, Wastewater Tanks and Well Cellars[b]	2.03	0.37
Oil/Water Separators[b]	0.00	0.00
Pumps/Compressors/Well Heads[a]	0.03	0.01
Enhanced Oil Recovery Fields	0.00	0.00
Total ROC Potential to Emit [c]	**3.19**	**0.58**

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.
b. Emissions reflect control efficiencies where applicable.
c. Due to rounding, the totals may not appear correct

ATTACHMENT A
Emission Calculations

Unit Type Emission Calculations

Pumps, Compressors, and Well Heads Uncontrolled Emission Calculations

	Value	Units	Reference
Number of Wells	2	wells	Permit Application
Wellhead Emissions	0.0194	lb-ROC/day	Calculated Value
FHC from Pumps	0.0078	lb-ROC/day	Calculated Value
FHC from Compressors	0.1358	lb-ROC/day	Calculated Value
Total ROC Emissions	**0.16**	lb-ROC/day	Calculated Value

Well Cellars, Sumps, Covered Wastewater Tanks, and Oil/Water Separators

Separation Level	Heavy Oil Service	Light Oil Service	Units
Primary	0.0941	0.1380	lb ROC/ft^2-day
Secondary	0.0126	0.0180	lb ROC/ft^2-day
Tertiary	0.0058	0.0087	lb ROC/ft^2-day

WELL CELLARS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Well Cellars[(a)]	2	72	2.03		
				0.00	
					0.00
Daily ROC Emissions (lb/day)			**2.03**	**0.00**	**0.00**

Notes:

a. A 70% reduction is applied for implementation of Rule 344 (Sumps, Pits, and Well Cellars).

COVERED WASTEWATER TANKS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:

a. A 85% reduction is applied.

COVERED WASTEWATER TANK WITH VAPOR RECOVERY			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank with Vapor Recovery[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:

a. A 95% reduction is applied.

OIL AND WATER SEPARATORS		Type		
Equipment Type	**Total Throughput (MMgal)**	**Covered**	**Vapor Recovery**	**Open Top**
Oil and Water Separators [(a)(b)]	0	0.00		
	0		0.00	
	0			0.00
Daily ROC Emissions (lb/day)		**0.00**	**0.00**	**0.00**

Notes:

a. A 85% reduction is applied for covered, 85% for connected to vapor recovery, and 0% for open top.

b. Emission Factor of 560 lb-ROC/Mmgal

Processed By: KMB Date: 3/8/2022

PROJECT DESCRIPTION

This facility consists of two oil and gas production wells, two well cellars, one separator, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.

NR BONETTI PTO 8978-R10 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY
(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

▶ APCD USE ONLY -ii(

APCD IDS Processing ID:

Application #: **Date Application Received:**

Application Filing Fee*: **Date Application Deemed Complete:**

I. SOURCE IDENTIFICATION

1. Source Name: NR Bonetti Lease Casmalia
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC
4. Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93455
5. Street Address of Source Location (include Zip Code):
6. UTM Coordinates (if required) (see instructions):
7. Source located within: 50 miles of the state line [ ] Yes [X] No
   50 miles of a Native American Nation [ ] Yes [X] No [ ] Not Applicable
8. Type of Organization: [X] Corporation [ ] Sole Ownership [ ] Government
   [ ] Partnership [ ] Utility Company
9. Legal Owner's Name: Pacific Coast Energy Company LP
10. Owner's Agent Name (if any): Marianne Strange Title: Environmental Consultant Telephone #: 805-564-6590
11. Responsible Official: Philip Brown Title: Chief Operations Officer Telephone #: 805-937-2576
12. Plant Site Manager/Contact: Doug Miller Title: Sr. Production Foreman Telephone #: 805-937-2576
13. Type of facility: Oil and Gas
14. General description of processes/products: Please refer to attached project description
15. Does your facility store, or otherwise handle, greater than threshold quantities of any substance on the Section 112(r) List of Substances and their Thresholds (see Attachment A)? [ ] Yes [X] No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [ ] Not Applicable [ ] Yes [X] No
    (If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

* Applications submitted without a filing fee will be returned to the applicant immediately as "improper" submittals

STATIONARY SOURCE SUMMARY
(Form 1302-A2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY -< APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	EXPIRATION (date)
Initial SBCAPCD's Regulation XIII Application	8978 – R10	5/2025
Permit Renewal		
Significant Permit Revision*		
Minor Permit Revision*		
Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: a: [ ] Portable Source [ ] Voluntary Emissions Caps
   [ ] Acid Rain Source [ ] Alternative Operating Scenarios
   [ ] Source Subject to MACT Requirements [Section 112]

   b: [X] None of the options in 1.a. are applicable

2. Is source operating under a Title V Program Compliance Schedule? [ ] Yes [X] No

3. For permit modifications, provide a general description of the proposed permit modification:

*Requires APCD-approved NSR permit prior to a permit revision submittal

•

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY "" APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Please refer to attached project description.

POLLUTANT * (name)	EMISSIONS (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS CHANGE ** (tons per year)
NOx	306.70		N/A
ROC	191.06	NOT APPLICABLE FOR FIRST	1.55
CO	240.36	APPLICATION SUBMITTALS	N/A
SOx	19.21		N/A
PM	7.62		N/A
PM10	7.62		N/A
PM2.5	7.62		N/A

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COATING / SOLVENT EMISSION UNIT
(Form 1302-D1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance ATC/PTO Number: 8978-R11
2. Equipment description:
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
   All solvent and coating emissions will be assumed on the Orcutt Hill stationary source under the Cal Coast Lease PTO 8826.
7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts. Coatings used for maintenance activities.

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	MANUFACTURER (name)	MAXIMUM USE (gal/day, gal/yr)	VAPOR PRESSURE (mm of Hg)	SOLIDS CONTENT (%)	VOC CONTENT (%)

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

3. Emissions for Emission Unit(s) described on page(s): fill in at end

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Separators
2. Equipment type*: Oil and Gas Separators
3. Equipment description*: 4 Oil & Gas Separator ATC/PTO Number: 8978-R10 (Device100929)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Oil and Gas Wellheads
2. Equipment type*: Oil and Gas Well
3. Equipment description*: 5 Producing and or idle wells ATC/PTO Number: 8978-R10 (Device 100931)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: oil 800 bbls/day and produced gas 800,000 scf/day
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)
		Oil	800 bbls/Day
		Produced Gas	800,000 scf/Day

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.02			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Well Cellars
2. Equipment type*: Well Cellars
3. Equipment description*: 5 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 89780-R10 (Device 008434)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

1. Emissions for Emission Units described on previous page

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.92			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Fugitive Hydrocarbon Components - CARB KVB
2. Equipment type*: Component Leak Paths.
3. Equipment description*: Valves, flanges connections etc. ATC/PTO Number: 8978-R10 (Device 008432)
4. Equipment make, model & serial number: N/A
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.61			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

EXEMPT EMISSIONS UNITS
(Form 1302-H)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: NR Bonetti Lease Casmalia**

Are you claiming any emitting activities to be insignificant? (See definition at bottom of page)

YES X__ NO _____

I. ACTIVITIES CLAIMED TO BE INSIGNIFICANT (Attach supporting calculations)

Activity	Description of Activity/Emission Units	Potential to Emit for each Pollutant
Solvents & Coatings	Lab Cuts & Facility/Equipment Maintenance	0.1 TPY ROC

Insignificant activities are defined in APCD Rule 1301 (definitions). For an activity to be considered insignificant emissions cannot exceed 2 tons per year potential to emit (PTE) any criteria pollutants, and 0.5 tons per year for any regulated HAP.

Note: Insignificant activities are not exempt from Part 70 requirements/permits.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

I. PROCEDURE FOR USING FORM 1302-I

This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]			
APCD Rule 301	Circumvention	Entire Source	Yes	In Effect
APCD Rule 302	Visible Emissions	Entire Source	Yes	In Effect
APCD Rule 303	Nuisance	Entire Source	Yes	In Effect
APCD Rule 304	Particulate Matter – Northern Zone	Each PM Source	Yes	In Effect
APCD Rule 309	Specific Contaminants	Combustion Units	Yes	In Effect
APCD Rule 310	Odorous Organic Sulfides	Combustion Units	Yes	In Effect
APCD Rule 311	Sulfur Content of Fuel	Combustion Units	Yes	In Effect
APCD Rule 317	Organic Solvents	Maintenance/Wipe Cleaning	Yes exempt	In Effect
APCD Rule 321	Solvent Cleaning Operations	Maintenance Operations	Yes	In Effect
APCD Rule 322	Metal Surface Coating Thinner and Reducer	Maintenance Operations	Yes	In Effect
APCD Rule 323	Architectural Coatings - Standards	Maintenance Operations	Yes	In Effect
APCD Rule 324	Disposal and Evaporation of Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 325	Crude Oil Production and Separation	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 331	Fugitive Emissions Inspection & Maintenance	All components (valves, flanges, seals, compressors, and pumps) used to handle oil and gas	Yes	In Effect
APCD Rule 333	Control of Emissions from Reciprocating IC Engines	Controlled Natural Gas (NG) fired rich burn ICEs	Yes	In Effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
APCD Rule 343	Petroleum Storage Tank Degassing	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 344	Petroleum Wells, Sumps and Cellars	Well cellars, sump, wastewater pits	Yes	In Effect
APCD Rule 346	Loading of Organic Liquids	Crude oil loading rack	Yes	In Effect
APCD Rule 353	Adhesives and Sealants	Maintenance Operations	Yes	In Effect
APCD Rule 359	Flares and Thermal Oxidizers	Flares	Yes	In Effect
APCD Rule 360	Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers	Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr	Yes	In Effect
APCD Rule 505.A,B1,D	Breakdown Conditions	All Emission Units	Yes	In Effect
APCD Rule 603	Emergency Episode Plans	Entire Source	Yes	In Effect
APCD Regulation VIII	New Source Review	Entire Source	Yes	In Effect
APCD Regulation XIII	Part 70 Operating Permits	Entire Source	Yes	In Effect
40 CFR Parts 51/52	New Source Review (Nonattainment Area Review and Prevention of Significant Deterioration)	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart A	New Source Performance Standards	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	Storage vessels for petroleum liquids constructed or modified prior to July 23, 1984	Exempt there are no tanks at the Arellanes Lease	In Effect
		Any new or replacement tanks constructed or modified after July 23, 1984	Yes	In Effect
40 CFR Part 60 Subpart OOOOa And CCR Title 17, Division 3, Chapter 1, Subchapter 10	Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change	Entire Source	Yes	In Effect
40 CFR Part 61	National Emission Standards for Hazardous Air Pollutants	All stationary reciprocating internal combustion engines	Yes	In Effect
40 CFR Part 63	Maximum Achievable Control Technology	None	Exempt per §63.760(e)(1) based on 'black oil' production	In Effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
40 CFR Part 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Entire Source	Exempt – Not a major source of HAP's	In Effect
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	All stationary reciprocating internal combustion engines	Yes There are no ICEs at NR Bonetti Lease	In Effect
40 CFR Part 64	Compliance Assurance Monitoring	Emission units with a control device used to comply with an emission standard	Exempt – no control devices used to comply with an emission standard	In Effect
40 CFR Part 70	Operating Permits	Entire Source	Yes	In Effect

1 Review APCD SIP Rules, NSPS, NESHAPS, and MACTs .

2 Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)

3 If exempt from applicable federal requirement, include explanation for exemption.

4 Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.

Other Applicable Federal Requirements[5] *NOTE: PC # varies in each PTO*	Affected Emission Unit	In compliance?	Effective Date
PTO 08978 Condition 1 Emission Limits	All Devices	Yes	In Effect
PTO 08978 Condition 2.a Fugitive Hydrocarbon Inspection & Maintenance Plan	All component leak paths	Yes	In Effect
PTO 08978 Condition 2.b Well Cellars	Well Cellars	Yes	In Effect
PTO 08978 Condition 3 Monitoring	All Devices	Yes	In Effect
PTO 08978 Condition 4 Recordkeeping	All Devices	Yes	In Effect
PTO 08978 Condition 5 Reporting	All Devices	Yes	In Effect
PTO 08978 Condition 6 Requirements for Produced Gas	All Devices	Yes	In Effect
PTO 08978 Condition 7 Facility Fugitive Hydrocarbon Emissions	All component leak paths	Yes	In Effect
PTO 08978 Condition 8 Greenhouse Gas Emissions Standards	All Devices	Yes	In Effect
PTO 08978 Condition 9 Consistency with Analysis	All Devices	Yes	In Effect
PTO 08978 Condition 10 Equipment Maintenance	All Devices	Yes	In Effect
PTO 08978 Condition 11 Compliance	All Devices	Yes	In Effect
PTO 08978 Condition 12 Severability	All Devices	Yes	In Effect
PTO 08978 Condition 13 Conflict Between Permits	All Devices	Yes	In Effect
PTO 08978 Condition 14 Access to Records and Facilities	All Devices	Yes	In Effect
PTO 08978 Condition 15 Equipment Identification	All Devices	Yes	In Effect
PTO 08978 Condition 16 Emission Factor Revisions	All Devices	Yes	In Effect
PTO 08978 Condition 17 Nuisance	All Devices	Yes	In Effect
PTO 08978 Condition 18 Grounds for Revocation	All Devices	Yes	In Effect
PTO 08978 Condition 19 Transfer of Owner/Operator	All Devices	Yes	In Effect
PTO 08978 Condition 20 Documents Incorporated by Reference	All Devices	Yes	In Effect

5 All environmentally significant permit conditions -- such as emission, operation, and throughput limitations or compliance monitoring conditions associated with such limitations -- listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements.

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN
(Form 1302-I2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;**

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis[1];**

Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.[2]

P. Bonetti — 12/15/23

Signature of Responsible Official — Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.

2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

   The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT
(Form 1302-M)

APCD:	▶ APCD USE ONLY <.
Santa Barbara County Air Pollution Control District	APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

___ Stationary Source Summary Form
___ Total Stationary Source Emission For
- ___ Compliance Plan Form
___ Compliance Plan Certification Form
___ Exempt Equipment Form
___ Certification Statement Form

List other forms or attachments

APCD -01_____
_____
_____
_____

[ ] check here if additional forms listed on back

Attachments included with application

___ Description of Operating Scenarios
___X Sample emission calculations
___X Fugitive emission estimates
___X List of Applicable requirements
___ Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
___ Facility schematic showing emission points
___ NSR Permit
___ PSD Permit
___ Compliance Assurance monitoring protocols
___ Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.

P. Brown _____ 12/15/23 _____

Signature of Responsible Official **Date**

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT
(Form 1302-M continued)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY ""** **APCD IDS PROCESSING ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: NR Bonetti Lease Casmalia**

List Other Forms or Attachments (cont.)

EXAMPLE EMISSION CALCULATIONS

ATTACHMENT A
Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

Attachment: A-1
Permit Number: Reeval 8978-R10
Facility: N.R. Bonetti Lease (Casmalia)

Input Data

Facility Information	*Value*	*Units*	*Reference*
Number of Active Wells at Facility	6	wells	Permit Application
Facility Gas Production	800,000	scf/day	Permit Application
Facility Dry Oil Production	800	bbls/day	Permit Application
Facility Gas to Oil Ratio (if > 500 then default to 501)	501	scf/bbl	Permit Application
API Gravity	11.3	degrees API	Permit Application
Facility Model Number	5	dimensionless	User Input
No. of Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
Composite Valve and Fitting Emission Factor	2.8053	lb/day-well	Table Below

Emission Factor Based on Lease Model

Lease Model	Valve Without Ethane	Fitting Without Ethane	Composite Without	Units
1	1.4921	0.9947	2.4868	lbs/day-well
2	0.6999	0.6092	1.3091	lbs/day-well
3	0.0217	0.0673	0.0890	lbs/day-well
4	4.5090	2.1319	6.6409	lbs/day-well
5	0.8628	1.9424	2.8053	lbs/day-well
6	1.7079	2.5006	4.2085	lbs/day-well

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500.
Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500.
Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500.
Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500.
Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500.
Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

Emission Source	lb/day	TPY
Valves and Fittings[a]	3.37	0.61
Sumps, Wastewater Tanks and Well Cellars[b]	6.10	1.11
Oil/Water Separators[b]	0.00	0.00
Pumps/Compressors/Well Heads[a]	0.10	0.02
Enhanced Oil Recovery Fields	0.00	0.00
Total ROC Potential to Emit [c]	**9.56**	**1.75**

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.
b. Emissions reflect control efficiencies where applicable.
c. Due to rounding, the totals may not appear correct

ATTACHMENT A
Emission Calculations

Unit Type Emission Calculations

Pumps, Compressors, and Well Heads Uncontrolled Emission Calculations

	Value	Units	Reference
Number of Wells	6	wells	Permit Application
Wellhead Emissions	0.0582	lb-ROC/day	Calculated Value
FHC from Pumps	0.0234	lb-ROC/day	Calculated Value
FHC from Compressors	0.4074	lb-ROC/day	Calculated Value
Total ROC Emissions	**0.49**	lb-ROC/day	Calculated Value

Well Cellars, Sumps, Covered Wastewater Tanks, and Oil/Water Separators

Separation Level	Heavy Oil Service	Light Oil Service	Units
Primary	0.0941	0.1380	lb ROC/ft^2-day
Secondary	0.0126	0.0180	lb ROC/ft^2-day
Tertiary	0.0058	0.0087	lb ROC/ft^2-day

WELL CELLARS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Well Cellars[(a)]	6	216	6.10		
				0.00	
					0.00
Daily ROC Emissions (lb/day)			**6.10**	**0.00**	**0.00**

Notes:
a. A 70% reduction is applied for implementation of Rule 344 (Sumps, Pits, and Well Cellars).

COVERED WASTEWATER TANKS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:
a. A 85% reduction is applied.

COVERED WASTEWATER TANK WITH VAPOR RECOVERY			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank with Vapor Recovery[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:
a. A 95% reduction is applied.

OIL AND WATER SEPARATORS		Type		
Equipment Type	**Total Throughput (MMgal)**	**Covered**	**Vapor Recovery**	**Open Top**
Oil and Water Separators [(a)(b)]	0	0.00		
	0		0.00	
	0			0.00
Daily ROC Emissions (lb/day)		**0.00**	**0.00**	**0.00**

Notes:
a. A 85% reduction is applied for covered, 85% for connected to vapor recovery, and 0% for open top.
b. Emission Factor of 560 lb-ROC/Mmgal

Processed By: KMB Date: 3/8/2022

PROJECT DESCRIPTION

This facility consists of five oil and gas production wells, five well cellars, four separators, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.

RIGHETTI LEASE PTO 8977-R10 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY
(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

▶ APCD USE ONLY -ii(

APCD IDS Processing ID:

Application #: **Date Application Received:**

Application Filing Fee*: **Date Application Deemed Complete:**

I. SOURCE IDENTIFICATION

1. Source Name: Reghetti Lease Casmalia
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC
4. Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93455
5. Street Address of Source Location (include Zip Code):
6. UTM Coordinates (if required) (see instructions):
7. Source located within: 50 miles of the state line [ ] Yes [X] No
   50 miles of a Native American Nation [ ] Yes [X] No [ ] Not Applicable
8. Type of Organization: [X] Corporation [ ] Sole Ownership [ ] Government
   [ ] Partnership [ ] Utility Company
9. Legal Owner's Name: Pacific Coast Energy Company LP
10. Owner's Agent Name (if any): Marianne Strange Title: Environmental Consultant Telephone #: 805-564-6590
11. Responsible Official: Philip Brown Title: Chief Operations Officer Telephone #: 805-937-2576
12. Plant Site Manager/Contact: Doug Miller Title: Sr. Production Foreman Telephone #: 805-937-2576
13. Type of facility: Oil and Gas
14. General description of processes/products: Please refer to attached project description
15. Does your facility store, or otherwise handle, greater than threshold quantities of any substance on the Section 112(r) List of Substances and their Thresholds (see Attachment A)? [ ] Yes [X] No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [ ] Not Applicable [ ] Yes [X] No
    (If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

* Applications submitted without a filing fee will be returned to the applicant immediately as "improper" submittals

STATIONARY SOURCE SUMMARY
(Form 1302-A2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY -< APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	EXPIRATION (date)
Initial SBCAPCD's Regulation XIII Application	8977 – R10	6/2025
Permit Renewal		
Significant Permit Revision*		
Minor Permit Revision*		
Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: a: [ ] Portable Source [ ] Voluntary Emissions Caps
   [ ] Acid Rain Source [ ] Alternative Operating Scenarios
   [ ] Source Subject to MACT Requirements [Section 112]

   b: [X] None of the options in 1.a. are applicable

2. Is source operating under a Title V Program Compliance Schedule? [ ] Yes [X] No

3. For permit modifications, provide a general description of the proposed permit modification:

*Requires APCD-approved NSR permit prior to a permit revision submittal

•

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY "" APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Please refer to attached project description.

POLLUTANT * (name)	EMISSIONS (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS CHANGE ** (tons per year)
NOx	306.70		N/A
ROC	191.06	NOT APPLICABLE FOR FIRST	0.58
CO	240.36	APPLICATION SUBMITTALS	N/A
SOx	19.21		N/A
PM	7.62		N/A
PM10	7.62		N/A
PM2.5	7.62		N/A

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COATING / SOLVENT EMISSION UNIT
(Form 1302-D1)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY <** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: Righetti Lease Casmalia**

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance ATC/PTO Number: 8977-R10
2. Equipment description:
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
   All solvent and coating emissions will be assumed on the Orcutt Hill stationary source under the Cal Coast Lease PTO 8826.
7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts. Coatings used for maintenance activities.

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	**MANUFACTURER** (name)	**MAXIMUM USE** (gal/day, gal/yr)	**VAPOR PRESSURE** (mm of Hg)	**SOLIDS CONTENT** (%)	**VOC CONTENT** (%)

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

3. Emissions for Emission Unit(s) described on page(s): fill in at end

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Separators
2. Equipment type*: Oil and Gas Separators
3. Equipment description*: 1 Oil & Gas Separator ATC/PTO Number: 8977-R10 (Device100940)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Oil and Gas Wellheads
2. Equipment type*: Oil and Gas Well
3. Equipment description*: 2 Producing and or idle wells ATC/PTO Number: 8977-R10 (Device 003557)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

1. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.01			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Well Cellars
2. Equipment type*: Well Cellars
3. Equipment description*: 2 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 8977-R10 (Device 003558)
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

1. Emissions for Emission Units described on previous page

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.37			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY 4{ APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

I. EMISSION UNIT DESCRIPTION

1. General process description: Fugitive Hydrocarbon Components - CARB KVB
2. Equipment type*: Component Leak Paths.
3. Equipment description*: Valves, flanges connections etc. ATC/PTO Number: 8977-R10 (Device 0003556)
4. Equipment make, model & serial number: N/A
5. Maximum design process rate or throughput: N/A
6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

1. Operating schedule: 24_____ hours/day 8760_____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ %H_2O
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions.

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS		ROC			
A. Emissions		0.20			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

EXEMPT EMISSIONS UNITS
(Form 1302-H)

APCD: **Santa Barbara County Air Pollution Control District**	**▶ APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: Righetti Lease Casmalia**

Are you claiming any emitting activities to be insignificant? (See definition at bottom of page)

YES X__ NO _____

I. ACTIVITIES CLAIMED TO BE INSIGNIFICANT (Attach supporting calculations)

Activity	Description of Activity/Emission Units	Potential to Emit for each Pollutant
Solvents & Coatings	Lab Cuts & Facility/Equipment Maintenance	0.1 TPY ROC

Insignificant activities are defined in APCD Rule 1301 (definitions). For an activity to be considered insignificant emissions cannot exceed 2 tons per year potential to emit (PTE) any criteria pollutants, and 0.5 tons per year for any regulated HAP.

Note: Insignificant activities are not exempt from Part 70 requirements/permits.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

I. PROCEDURE FOR USING FORM 1302-I

This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]			
APCD Rule 301	Circumvention	Entire Source	Yes	In Effect
APCD Rule 302	Visible Emissions	Entire Source	Yes	In Effect
APCD Rule 303	Nuisance	Entire Source	Yes	In Effect
APCD Rule 304	Particulate Matter – Northern Zone	Each PM Source	Yes	In Effect
APCD Rule 309	Specific Contaminants	Combustion Units	Yes	In Effect
APCD Rule 310	Odorous Organic Sulfides	Combustion Units	Yes	In Effect
APCD Rule 311	Sulfur Content of Fuel	Combustion Units	Yes	In Effect
APCD Rule 317	Organic Solvents	Maintenance/Wipe Cleaning	Yes exempt	In Effect
APCD Rule 321	Solvent Cleaning Operations	Maintenance Operations	Yes	In Effect
APCD Rule 322	Metal Surface Coating Thinner and Reducer	Maintenance Operations	Yes	In Effect
APCD Rule 323	Architectural Coatings - Standards	Maintenance Operations	Yes	In Effect
APCD Rule 324	Disposal and Evaporation of Solvents	Maintenance/Wipe Cleaning	Yes	In Effect
APCD Rule 325	Crude Oil Production and Separation	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 331	Fugitive Emissions Inspection & Maintenance	All components (valves, flanges, seals, compressors, and pumps) used to handle oil and gas	Yes	In Effect
APCD Rule 333	Control of Emissions from Reciprocating IC Engines	Controlled Natural Gas (NG) fired rich burn ICEs	Yes	In Effect

COMPLIANCE PLAN
(Form 1302-I1)

▶

APCD: **Santa Barbara County Air Pollution Control District**	▶ **APCD USE ONLY <.** **APCD IDS Processing ID:**
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	**SOURCE NAME: Righetti Lease Casmalia**

Applicable Federal Requirement[1]		**Affected Emission Unit**	**In compliance? (yes/no/exempt[3])**	**Effective Date[4]**
Regulatory Reference[2]	**Regulation Title[2]**			
APCD Rule 343	Petroleum Storage Tank Degassing	Wash Tank, crude storage tanks, wastewater tanks	Yes	In Effect
APCD Rule 344	Petroleum Wells, Sumps and Cellars	Well cellars, sump, wastewater pits	Yes	In Effect
APCD Rule 346	Loading of Organic Liquids	Crude oil loading rack	Yes	In Effect
APCD Rule 353	Adhesives and Sealants	Maintenance Operations	Yes	In Effect
APCD Rule 359	Flares and Thermal Oxidizers	Flares	Yes	In Effect
APCD Rule 360	Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers	Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr	Yes	In Effect
APCD Rule 505.A,B1,D	Breakdown Conditions	All Emission Units	Yes	In Effect
APCD Rule 603	Emergency Episode Plans	Entire Source	Yes	In Effect
APCD Regulation VIII	New Source Review	Entire Source	Yes	In Effect
APCD Regulation XIII	Part 70 Operating Permits	Entire Source	Yes	In Effect
40 CFR Parts 51/52	New Source Review (Nonattainment Area Review and Prevention of Significant Deterioration)	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart A	New Source Performance Standards	Entire Source	Yes	In Effect
40 CFR Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	Storage vessels for petroleum liquids constructed or modified prior to July 23, 1984	Exempt there are no tanks at the Arellanes Lease	In Effect
		Any new or replacement tanks constructed or modified after July 23, 1984	Yes	In Effect

COMPLIANCE PLAN
(Form 1302-I1)

▶

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance? (yes/no/exempt[3])	Effective Date[4]
Regulatory Reference[2]	**Regulation Title[2]**			
40 CFR Part 60 Subpart OOOOa And CCR Title 17, Division 3, Chapter 1, Subchapter 10	Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change	Entire Source	Yes	In Effect
40 CFR Part 61	National Emission Standards for Hazardous Air Pollutants	All stationary reciprocating internal combustion engines	Yes	In Effect
40 CFR Part 63	Maximum Achievable Control Technology	None	Exempt per §63.760(e)(1) based on 'black oil' production	In Effect
40 CFR Part 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Entire Source	Exempt – Not a major source of HAP's	In Effect
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	All stationary reciprocating internal combustion engines	Yes There are no ICEs at NR Bonetti Lease	In Effect
40 CFR Part 64	Compliance Assurance Monitoring	Emission units with a control device used to comply with an emission standard	Exempt – no control devices used to comply with an emission standard	In Effect
40 CFR Part 70	Operating Permits	Entire Source	Yes	In Effect

1 Review APCD SIP Rules, NSPS, NESHAPS, and MACTs .

2 Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)

3 If exempt from applicable federal requirement, include explanation for exemption.

4 Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.

COMPLIANCE PLAN
(Form 1302-I1)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

Other Applicable Federal Requirements[5] *NOTE: PC # varies in each PTO*	Affected Emission Unit	In compliance?	Effective Date
PTO 8977-R10Condition 1 Emission Limits	All Devices	Yes	In Effect
PTO 8977-R10Condition 2. Operating Restrictions	All Devices	Yes	In Effect
PTO 8977-R10 Condition 3 Monitoring	All Devices	Yes	In Effect
PTO 8977-R10Condition 4 Recordkeeping	All Devices	Yes	In Effect
PTO 8977-R10Condition 5 Reporting	All Devices	Yes	In Effect
PTO 8977-R10Condition 6 Requirements for Produced Gas	All Devices	Yes	In Effect
PTO 8977-R10Condition 7 Fugitive Hydrocarbon Emissions	All component leak paths	Yes	In Effect
PTO 8977-R10Condition 8 Greenhouse Gas Emissions Standards	All Devices	Yes	In Effect
PTO 8977-R10Condition 9 Consistency with Analysis	All Devices	Yes	In Effect
PTO 8977-R10-R10Condition 10 Equipment Maintenance	All Devices	Yes	In Effect
PTO 8977-R10Condition 11 Compliance	All Devices	Yes	In Effect
PTO 8977-R10Condition 12 Severability	All Devices	Yes	In Effect
PTO 8977-R10Condition 13 Conflict Between Permits	All Devices	Yes	In Effect
PTO 8977-R10Condition 14 Access to Records and Facilities	All Devices	Yes	In Effect
PTO 8977-R10Condition 15 Equipment Identification	All Devices	Yes	In Effect
PTO 8977-R10Condition 16 Emission Factor Revisions	All Devices	Yes	In Effect
PTO 8977-R10Condition 17 Nuisance	All Devices	Yes	In Effect
PTO 8977-R10Condition 18 Grounds for Revocation	All Devices	Yes	In Effect
PTO 8977-R10Condition 19 Transfer of Owner/Operator	All Devices	Yes	In Effect
PTO 8977-R10Condition 20 Documents Incorporated by Reference	All Devices	Yes	In Effect

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN
(Form 1302-I2)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS Processing ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;**

X **Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis[1];**

Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.[2]

P. Righetti 12/15/23

Signature of Responsible Official Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.
2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

   The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT
(Form 1302-M)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY <. APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: NR Bonetti Lease Casmalia

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

___ Stationary Source Summary Form
___ Total Stationary Source Emission For
- ___ Compliance Plan Form
___ Compliance Plan Certification Form
___ Exempt Equipment Form
___ Certification Statement Form

List other forms or attachments

APCD -01

[ ] check here if additional forms listed on back

Attachments included with application

___ Description of Operating Scenarios
__X__ Sample emission calculations
__X__ Fugitive emission estimates
__X__ List of Applicable requirements
___ Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
___ Facility schematic showing emission points
___ NSR Permit
___ PSD Permit
___ Compliance Assurance monitoring protocols
___ Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.

P. Brown — 12/15/23

Signature of Responsible Official **Date**

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT
(Form 1302-M continued)

APCD: Santa Barbara County Air Pollution Control District	▶ APCD USE ONLY "" APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Coast Energy Acquisitions, LLC	SOURCE NAME: Righetti Lease Casmalia

List Other Forms or Attachments (cont.)

EMISSION CALCULATIONS

ATTACHMENT A
Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

Attachment: A-1
Permit Number: Reeval 8977-R10
Facility: Righetti Lease

Input Data

Facility Information	*Value*	*Units*	*Reference*
Number of Active Wells at Facility	2	wells	Permit Application
Facility Gas Production	800,000	scf/day	Permit Application
Facility Dry Oil Production	800	bbls/day	Permit Application
Facility Gas to Oil Ratio (if > 500 then default to 501)	501	scf/bbl	Permit Application
API Gravity	11.3	degrees API	Permit Application
Facility Model Number	5	dimensionless	User Input
No. of Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Control Vents	0	wells	Permit Application
No. of Cyclic Steam Drive Wells with Uncontrolled Vents	0	wells	Permit Application
Composite Valve and Fitting Emission Factor	2.8053	lb/day-well	Table Below

Emission Factor Based on Lease Model

Lease Model	Valve Without Ethane	Fitting Without Ethane	Composite Without	Units
1	1.4921	0.9947	2.4868	lbs/day-well
2	0.6999	0.6092	1.3091	lbs/day-well
3	0.0217	0.0673	0.0890	lbs/day-well
4	4.5090	2.1319	6.6409	lbs/day-well
5	0.8628	1.9424	2.8053	lbs/day-well
6	1.7079	2.5006	4.2085	lbs/day-well

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500.
Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500.
Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500.
Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500.
Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500.
Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

Emission Source	lb/day	TPY
Valves and Fittings[a]	1.12	0.20
Sumps, Wastewater Tanks and Well Cellars[b]	2.03	0.37
Oil/Water Separators[b]	0.00	0.00
Pumps/Compressors/Well Heads[a]	0.03	0.01
Enhanced Oil Recovery Fields	0.00	0.00
Total ROC Potential to Emit [c]	**3.19**	**0.58**

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.
b. Emissions reflect control efficiencies where applicable.
c. Due to rounding, the totals may not appear correct

ATTACHMENT A
Emission Calculations

Unit Type Emission Calculations

Pumps, Compressors, and Well Heads Uncontrolled Emission Calculations

	Value	Units	Reference
Number of Wells	2	wells	Permit Application
Wellhead Emissions	0.0194	lb-ROC/day	Calculated Value
FHC from Pumps	0.0078	lb-ROC/day	Calculated Value
FHC from Compressors	0.1358	lb-ROC/day	Calculated Value
Total ROC Emissions	**0.16**	lb-ROC/day	Calculated Value

Well Cellars, Sumps, Covered Wastewater Tanks, and Oil/Water Separators

Separation Level	Heavy Oil Service	Light Oil Service	Units
Primary	0.0941	0.1380	lb ROC/ft^2-day
Secondary	0.0126	0.0180	lb ROC/ft^2-day
Tertiary	0.0058	0.0087	lb ROC/ft^2-day

WELL CELLARS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Well Cellars[(a)]	2	72	2.03		
				0.00	
					0.00
Daily ROC Emissions (lb/day)			**2.03**	**0.00**	**0.00**

Notes:

a. A 70% reduction is applied for implementation of Rule 344 (Sumps, Pits, and Well Cellars).

COVERED WASTEWATER TANKS			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:

a. A 85% reduction is applied.

COVERED WASTEWATER TANK WITH VAPOR RECOVERY			Level of Separation		
Equipment Type	**Number**	**Total Area (ft^2)**	**Primary**	**Secondary**	**Tertiary**
Covered Wastewater Tank with Vapor Recovery[(a)]	0	0	0.00		
	0	0		0.00	
	0	0			0.00
Daily ROC Emissions (lb/day)			**0.00**	**0.00**	**0.00**

Notes:

a. A 95% reduction is applied.

OIL AND WATER SEPARATORS		Type		
Equipment Type	**Total Throughput (MMgal)**	**Covered**	**Vapor Recovery**	**Open Top**
Oil and Water Separators [(a)(b)]	0	0.00		
	0		0.00	
	0			0.00
Daily ROC Emissions (lb/day)		**0.00**	**0.00**	**0.00**

Notes:

a. A 85% reduction is applied for covered, 85% for connected to vapor recovery, and 0% for open top.

b. Emission Factor of 560 lb-ROC/Mmgal

Processed By: KMB Date: 3/8/2022

PROJECT DESCRIPTION

This facility consists of two oil and gas production wells, two well cellars, one separator, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.