PERMIT 259785 PROJECT 143369 COPY OF RECORD

PBR New Registration

Site Information (Regulated Entity)

What is the name of the site to be authorized?

ATM FACILITY

Does the site have a physical address?

No

Because there is no physical address, describe how to locate this site:

From Rankin Travel north on TX 349 for 8.3 miles. Turn left onto County Road 105 for 3.7 miles. Arrive at facility on the right.

City

RANKIN

State

TX

ZIP

79778

County

UPTON

Latitude (N) (##.######)

31.34499

Longitude (W) (-###.######)

-102.01173

Primary SIC Code

1311

Secondary SIC Code

Primary NAICS Code

211111

Secondary NAICS Code

Regulated Entity Site Information

What is the Regulated Entity's Number (RN)?

What is the name of the Regulated Entity (RE)?

ATM FACILITY

Does the RE site have a physical address?

No

Because there is no physical address, describe how to locate this site:

From Rankin Travel north on TX 349 for 8.3 miles. Turn left onto County Road 105 for 3.7 miles. Arrive at facility on the right.

City

RANKIN

State

TX

ZIP

79778

County

UPTON

Latitude (N) (##.######)

31.34499

Longitude (W) (-###.######)

-102.01173

What is the primary business of this entity?

NATURAL GAS AND CONDENSATE/CRUDE OIL PRODUCTION

Customer (Applicant) Information

How is this applicant associated with this site?

Owner Operator

What is the applicant's Customer Number (CN)?

CN605027986

Type of Customer

Partnership

Full legal name of the applicant:

Legal Name

JM Cox Resources, L.P.

Texas SOS Filing Number

800223030

Federal Tax ID

State Franchise Tax ID

12000970801

DUNS Number

Number of Employees

21-100

Independently Owned and Operated?

Yes

I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.

Yes

Responsible Authority Contact

Organization Name

JM Cox Resources, L.P.

Prefix

MR

First

BILL

Middle

Last

CHILDERS

Suffix

Title

OPERATIONS SUPERINTENDENT

Responsible Authority Mailing Address

Enter new address or copy one from list:

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

1802 CLOVERDALE RD

Routing (such as Mail Code, Dept., or Attn:)

City

MIDLAND

State

TX

ZIP

79701

Phone (###-###-####)

4326829435

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

BILLCHILDERS@SBCGLOBAL.NET

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

CN605027986, JM Cox Resources, L.P.

Organization Name

JM Cox Resources, L.P.

Prefix

MR

First

BILL

Middle

Last

CHILDERS

Suffix

Title

OPERATIONS SUPERINTENDENT

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

1802 CLOVERDALE RD

Routing (such as Mail Code, Dept., or Attn:)

City

MIDLAND

State

TX

ZIP

79701

Phone (###-###-####)

4326829435

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

BILLCHILDERS@SBCGLOBAL.NET

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Responsible Official Contact

Organization Name

JM Cox Resources, L.P.

Prefix

MR

First

BILL

Middle

Last

CHILDERS

Suffix

Title

OPERATIONS SUPERINTENDENT

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

1802 CLOVERDALE RD

Routing (such as Mail Code, Dept., or Attn:)

City

MIDLAND

State

TX

ZIP

79701

Phone (###-###-####)

4326829435

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

BILLCHILDERS@SBCGLOBAL.NET

PBR General Information - New Sites

1) To determine fee amount does this business qualify as a small business, non-profit organization, or small government entity?

No

2) Are there any other registered air authorizations at this site?

No

3) Is this project located at a major site?

No

4) Does this registration require certification or is certification being submitted voluntarily?

Yes

5) Is the facility in compliance with all PBRs claimed?

Yes

6) Is the facility in compliance with all other applicable state/federal rules and regulations?

Yes

7) Is the facility in compliance with all applicable distance requirements?

Yes

8) Will there be any confidential information submitted with this application?

No

Section 1 Rule Selection

Select the type of unit that is being registered.

OIL AND GAS PRODUCTION FACILITIES

Select the rule(s) associated to the unit specified.

106.352 2012-NOV-22

Select the type of unit that is being registered.

ROUTINE MAINTENANCE STARTUP AND SHUTDOWN OF FACIL

Select the rule(s) associated to the unit specified.

106.359

106.352(l) Rule Compliance

1) Will the site meet all applicable requirements of 106.352?

Yes

2) Are gas and liquid analyses site specific or representative?

Site Specific

3) Will the emissions calculations for each EPN being authorized at the site be included in attachments?

Yes

4) Are there any control or combustion devices in use at the site?

No

5) Is MSS being claimed or registered at this site?

Yes

6) Please select any/all State or Federal Standards that apply to this site.

None

7) Is this site considered sweet or sour?

Sweet

106.4 Rule Compliance

1) What are the annual VOC emissions in tons per year (tpy) for this registration?

7.3595

2) What are the total annual SO2 emissions in tpy for this registration?

0

3) What are the total annual NOx emissions in tpy for this registration?

0.162

4) What are the total annual CO emissions in tpy for this registration?

0.136

5) What are the total annual PM10 emissions in tpy for this registration?

0.013

6) What are the total annual PM2.5 emissions in tpy for this registration?

0.013

7) What are the total annual H2S emissions in tpy for this registration?

0

8) What are the total annual HAP emissions in tpy for this registration?

0.0544

file_section

Please attach one PDF with all required documents to complete the project.

file_name

JMCOX-MID_ATM_PBR APP.pdf

file_hash

7675EF79AF66BE64EDF37AFA04F6890FE29C4DBC12CB25B93C0B2D4FF8EF3CEA

mime-type

application/pdf

Please attach any other necessary information needed to complete the registration.

Certification

The electronic signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Officials knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits, please call (512) 239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms.

Signing Party: I am Sherry L Milam, the owner of the STEERS account ER047839.

Authority Confirmation: I have the authority to sign this data on behalf of the applicant named above.

Information Accuracy: I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.

Password Confirmation: I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.

Signing Action: I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.

Attest Fact: I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.

False Information: I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.

Signing Intentionally: I am knowingly and intentionally signing PBR New Registration.

Information Agreement: My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

Customer Number: CN605027986

Legal Name: JM Cox Resources, L.P.

Signature: OWNER OPERATOR Signature: Sherry L Milam OWNER OPERATOR

Account Number: ER047839

Signature Ip Address: 12.147.128.154

Signature Date: 2016-10-10

Signature Hash: EB22B07D9B5135607F66ED96D9C8AC0965D65D6B4861DCE03B4A242AE782FA97

Form Hash: 46E52DE03A3200EC7B83E6FF3745D42D59BD17ED5251BA945E32A5A362F597D4

Transaction By: The application fee payment transaction was made by ER047839/Sherry L Milam

Paid By: The application fee was paid by SHERRY MILAM

Fee Amount: $450.00

Paid Date: The application fee was paid on 2016-10-10

Transaction Number: The transaction number is 582EA000233450 and the voucher number is 292753

Reference Number: The application reference number is 142077

Submitted By: The application was submitted by ER047839/Sherry L Milam

Submitted Timestamp: The application was submitted on 2016-10-10 at 10:45:13 CDT

Submitted From: The application was submitted from IP address 12.147.128.154

Confirmation Number: The confirmation number is 132319

Steers Version: The STEERS version is 6.05

Form Hash: 46E52DE03A3200EC7B83E6FF3745D42D59BD17ED5251BA945E32A5A362F597D4

Application Creator: This account was created by Stephanie K Myers

PERMIT BY RULE

JM COX RESOURCES, LP

ATM FACILITY

RANKIN, UPTON COUNTY, TEXAS

APRIL 2016

COMM ENGINEERING

www.**comm**engineering.com

Phone: (337) 237-4373

Fax: (337) 234-1805

Permit By Rule Application for Approval of Emissions

JM Cox Resources, LP
ATM Facility

APPLICATION

APPENDIX

Application - Section 1

TCEQ Core Data Form

TCEQ Use Only

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)

☒ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)

☐ Renewal (Core Data Form should be submitted with the renewal form) ☐ Other

2. Customer Reference Number (if issued): CN 605027986

Follow this link to search for CN or RN numbers in Central Registry**

3. Regulated Entity Reference Number (if issued): RN

SECTION II: Customer Information

4. General Customer Information

5. Effective Date for Customer Information Updates (mm/dd/yyyy): 10/14/2015

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership

☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name (If an individual, print last name first: e.g.: Doe, John): JM Cox Resources, LP

If new Customer, enter previous Customer below:

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0800223030	12000970801	200097080	109197210

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☒ Limited

Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees: ☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated? ☒ Yes ☐ No

14. Customer Role (Proposed or Actual) - as it relates to the Regulated Entity listed on this form. Please check one of the following:

☐ Owner ☐ Operator ☒ Owner & Operator

☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address: 1802 Cloverdale Road

City: Midland State: TX ZIP: 79701 ZIP + 4:

16. Country Mailing Information (if outside USA):

17. E-Mail Address (if applicable): billchilders@sbcglobal.net

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(432) 682 - 9435		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If `New Regulated Entity" is selected below this form should be accompanied by a permit application)

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.): ATM Facility

23. Street Address of the Regulated Entity: (No PO Boxes)							
	City		State		ZIP		ZIP + 4	
24. County	Upton						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	From Rankin: Travel north on TX-349 for 8.3 miles. Turn left onto County Road 105 for 3.7 miles. Arrive at facility on the right.						
26. Nearest City				State		Nearest ZIP Code	
Rankin				TX		79778	
27. Latitude (N) In Decimal:	31.34499			28. Longitude (W) In Decimal:	102.01173		
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds	
31	20	41.964		102	0	42.228	

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
1311		211111	

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Natural Gas and Condensate/Crude Oil Production

34. Mailing Address:	1802 Cloverdale Road						
	City	Midland	State	TX	ZIP	79701	ZIP + 4	
35. E-Mail Address:	jmcoxresources@verizon.net						

36. Telephone Number	37. Extension or Code	38. Fax Number (if applicable)
(432) 682 - 9435		( ) -

39. **TCEQ Programs and ID Numbers** Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☒ Other: PBR 106.352, 359

SECTION IV: Preparer Information

40. Name:	Allyson Graziano	41. Title:	Environmental Technician

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(337) 237 - 4373		(337) 234 - 1805	apgraziano@commengineering.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	JM Cox Resources, LP	Job Title:	Operations Superintendent
Name(*In Print*):	Bill Childers	Phone:	(432) 682 - 9435
Signature:		Date:	

Application - Section 2

Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

The TCEQ **requires** that a complete Core Data Form bearing an original signature be submitted on all incoming applications unless a Regulated Entity and Customer Reference Number have been issued by the TCEQ and no core data information has changed. For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ Web site at www.tceq.texas.gov/permitting/central_registry/guidance.html.

I. Registrant Information		
A. Company or Other Legal Customer Name: JM Cox Resources, LP		
Company Official Contact Name: Bill Childers		
Title: Operations Superintendent		
Mailing Address: 1802 Cloverdale Road		
City: Midland	State: Texas	ZIP Code: 79701
Phone: (432) 682-9435	Fax:	E-mail: billchilders@sbcglobal.net
B. Technical Contact Name: Bill Childers		
Title: Operations Superintendent		
Company: JM Cox Resources, LP		
Mailing Address: 1802 Cloverdale Road		
City: Midland	State: Texas	ZIP Code: 79701
Phone: (432) 682-9435	Fax:	E-mail: billchilders@sbcglobal.net
C. Facility Location Information - Street Address:		
If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed)		
From Rankin: Travel north on TX-349 for 8.3 miles. Turn left onto County Road 105 for 3.7 miles. Arrive at facility on the		
City: Rankin	County: Upton	ZIP Code: 79778
D. Is the Core Data Form *(TCEQ Form 10400)* attached?		☒ YES ☐ NO
If "*No*," provide customer reference number and regulated entity number below:		
Customer Reference Number (CN): 605027986		
Regulated Entity Number (RN):		
II. Facility and Site Information		
A. Name and Type of Facility: ATM Facility / Natural Gas & Condensate/Crude Oil Pr		☒ Permanent ☐ Portable
B. PBR claimed under **30 TAC 106** *(List all)*:		
106. 352	106. 359	
106.	106.	

Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

II. Facility and Site Information (*continued*))			
Are you claiming a **historical standard exemption or PBR**?			☐ YES ☒ NO
"YES," enter effective date(s) and rule number(s) in the spaces provided below.			
Effective Date		**Rule Number**	
A. Is there a previous Standard Exemption or PBR for the facility in this registration?			☐ YES ☒ NO
If "YES," enter registration number(s), rule number(s) and effective dates in the spaces provided below.			
Registration Number	**Effective Date**	**Rule Number**	
B. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?			☐ YES ☒ NO
If "YES," enter registration number(s), rule number(s) and effective dates in the spaces provided below.			
Registration Number	**Effective Date**	**Rule Number**	
C. Are there any other air preconstruction permits at this site?			☐ YES ☒ NO
If "YES," enter permit number(s) in the spaces provided below.			
Are there any other air preconstruction permits at this site that would be directly associated with this project?			☐ YES ☒ NO
If "YES," enter permit number(s) in the spaces provided below.			
D. Is this facility located at a site which is required to obtain a Federal Operating Permit (FOP) pursuant to 30 TAC Chapter 122?			☐ YES ☒ NO ☐ To be determined
If the site currently has an existing federal operating permit, enter the permit number.			
Check the requirements of 30 TAC Chapter 122 that will be triggered if this certification is accepted.			
☐ Initial Application for an FOP	☐ Significant Revision for an SOP	☐ Minor Revision for an SOP	
☐ Operational Flexibility/off Permit Notification for an SOP		☐ Revision for GOP	
☐ To be Determined	☒ None		

Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

II. Facility and Site Information *(continued)*		
Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. *(Check all that apply)*		
☐ SOP	☐ GOP	☐ GOP application/revision application: Submitted or under APD review.
☒ N/A	☐ SOP application/revision application: submitted or under APD review.	
G. TCEQ Account Identification Number (*if known):*		

III. Fee Information	
See Section VIII. for address to send fee or go to www6.tceq.texas.gov/epay to pay online.	
A. Is this certification to solely establish a federally enforceable emission limit and not authorize any new facilities?	☐ YES ☒ NO
If "YES," than no fee is required.	
If "NO," then go to Section III.B.	
B. If "YES," to any of the following three questions, a **$100** fee is required. Otherwise, a **$450** fee is required.	
Does this business have less than 100 employees?	☒ YES ☐ NO
Does this business have less than 6 million dollars in annual gross receipts?	☐ YES ☒ NO
Is this registration submitted by a governmental entity with a population of less than 10,000?	☐ YES ☒ NO
C. Enter the check, money order, or transaction number.	
Enter the individual or company name printed on the check. *(below)*	
Fee amount (*spell out*): One Hundred Dollars and No Cents	$ 100.00
Was fee **Paid** online?	☐ YES ☒ NO

IV. Selected Facility Reviews *Only*—Technical Information	
Note: If claiming one of the following PBRs, complete this section, then skip to Section VI., "Submitting your registration" below:	
Animal Feeding Operations 30 TAC 106.161, Livestock Auction Facilities 30 TAC 106.162, Saw Mills 30 TAC 106.223, Grain Handling, Storage and Drying 30 TAC 106.283, Auto Body Refinishing Facilities 30 TAC 106.436, and Air Curtain Incinerator 30 TAC 106.496	
A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed?	☐YES ☐ NO
B. Distance from this facility's emission release point to the nearest property line:	feet
Distance from this facility's emission release point to the nearest off-property structure:	feet

Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

V. TECHNICAL INFORMATION - The following information must be submitted with Form PI-7CERT. Place a check next to the appropriate box to verify you have included it in the submittal.	
☒ Process Flow Diagram and Process Description	☒ Emissions data and calculations
☒Table 1(a) (Form 10153) Emission Point Summary	
☐ Confidential Information (All pages properly marked "CONFIDENTIAL")	
Has the company implemented the project or waiting on a response from TCEQ?	☒ Implemented ☐ Waiting
Projected Start of Construction Date: Complete	
Is this an annual certification under 30 TAC Chapter 106.261 and/or 106.262?	☐ YES ☒ NO
☒ Information on meeting the specific PBR requirements *(PBR checklists maybe used and are optional.)*	☒ Information on meeting the general PBR requirements 30 TAC 106.4. *(PBR checklists maybe used and are optional.)*
*Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under **30 TAC Chapter 101**, **Subchapter H, Division 3**, the owner/operator of these facilities must possess NO_x allowances equivalent to the actual NO_x, emissions from these facilities.*	
Distance from this facility's emission release point to the nearest property line:	~630 feet
Distance from this facility's emission release point to the nearest off-property structure:	~1273 feet
Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.	
VI. DELINQUENT FEES	
This form **will not be processed** until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ is paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: www.tceq.texas.gov/agency/delin/index.html.	

Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

VII. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. **If you questions on how to fill out this form or about air quality permits. Please call (512) 239-1250**. *Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call (512) 239-3282.*

SIGNATURE:_____ _____

DATE

(ORIGINAL SIGNATURE REQUIRED)

Texas Commission on Environmental Quality
Form PI-7-CERT
Certification and Registration for Permits by Rule

VIII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION		
Copies must be sent as listed below: **Processing delays may occur if copies are not sent as noted.**		
Who	**Where**	**What**
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax: (512) 239-2123 (*do not follow fax with paper copies)*	Originals Form PI-7, Core Data Form and all attachments
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.texas.gov.us/, or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.texas.gov/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.

Application - Section 3

JM Cox Resources, LP
ATM Facility

Permit by Rule Summary

The ATM Facility is a sweet natural gas and condensate/crude oil production facility located in Upton County, Texas. This Form PI-7 CERT is being submitted to establish enforceable emission rates. All requirements under Permit by Rule sections 30 TAC § 106.352 (Oil & Gas) and § 106.359 (Maintenance, Start-up and Shutdown) are met. Separate checklists and supporting documentation are enclosed.

Emission calculations are based on the potential to emit. Total emissions of NO_X and CO from all sources in the facility are each less than 250 tpy. Emissions of PM_{10}, SO_2 and VOCs are each less than 25 tpy. Therefore, emissions do not exceed limits of the general requirements in 30 TAC § 106.4(a).

The NESHAP for Oil and Natural Gas Production Facilities (40 CFR Part 63, Subpart HH) defines a major source as one which emits or has the potential to emit 10 tpy or more of any single HAP, or 25 tpy or more of any combination of HAPs. This facility emits less than 25 tpy; therefore, it is not subject to this regulation.

The NSPS for Oil and Natural Gas Production Facilities (40 CFR Part 60, Subpart OOOO) requirements are met for the applicable sources. The facility will comply with all registration and reporting requirements as necessary, as well as comply with all emissions standards.

Emission Totals

Criteria Pollutant	Tons/Year
NO_X	0.1620
CO	0.1360
SO_2	0.0000
PM_{10}	0.0130
$PM_{2.5}$	0.0130
VOC	7.3595
HAPs	0.0544

Proposed Actions

This application is being submitted for coverage of an existing facility located in Upton County, Texas. JM Cox Resources, LP is requesting federally enforceable emissions limits and will comply with all recordkeeping and reporting requirements. The facility is not currently permitted.

Application - Section 4

JM Cox Resources, LP
ATM Facility

Process Description

The ATM Facility is a natural gas production facility in Upton County, Texas, which handles sweet natural gas (less than 5 ppm H_2S) and condensate/crude oil. The facility handles all stages of production. The facility annually processes approximately:

1,825 barrels of condensate/crude oil,
29.2 million standard cubic feet of natural gas, and
1,825 barrels of produced water.

Separation
Production from the nearby well flows to a three-phase, low pressure separator. The natural gas from the low pressure separator flows to a sales pipeline. The liquids then flow to a Heater Treater (EPN: HT-01). The natural gas from the heater treater flows to a sales pipeline. The condensate/crude oil flows to the oil storage tanks and the produced water flows to the water storage tank.

Condensate/Crude Oil Storage and Load Out
Condensate/crude oil is stored in two (2) Oil Storage Tanks (EPNs: OST-01 and OST-02). Flash, standing, and working losses are vented to the atmosphere. The stored condensate/crude oil is then shipped via tank truck to sales. Volatile Organic Compounds (VOCs) emissions resulting from the Tank Truck Oil Loading Facility (EPN: OIL-LD-01) are vented to the atmosphere. The facility handles condensate/crude oil prior to lease custody transfer.

Produced Water Storage and Disposal
Produced water is stored in one (1) Water Storage Tank (EPN: WST-01). Flash, standing, and working losses are vented to the atmosphere. The stored produced water is then shipped via tank truck to disposal. Volatile Organic Compounds (VOCs) emissions resulting from the Tank Truck Water Loading Facility (EPN: WTR-LD-01) are vented to the atmosphere.

Miscellaneous Sources
Fugitive natural gas and light liquid emissions (EPN: FE-01) occur from potential leaks from flanges, valves, and piping connections. Fugitive emissions are calculated using typical JM Cox Resources, LP facility component counts and emission factors in EPA 4531, R-95-017 and TCEQ's "Air Permit Technical Guidance for Chemical Source Equipment Leak Fugitives".

Maintenance, Start-Up, and Shutdown (MSS) emissions (EPN: MSS-01) are included in this registration to reflect emissions from routine MSS activities.

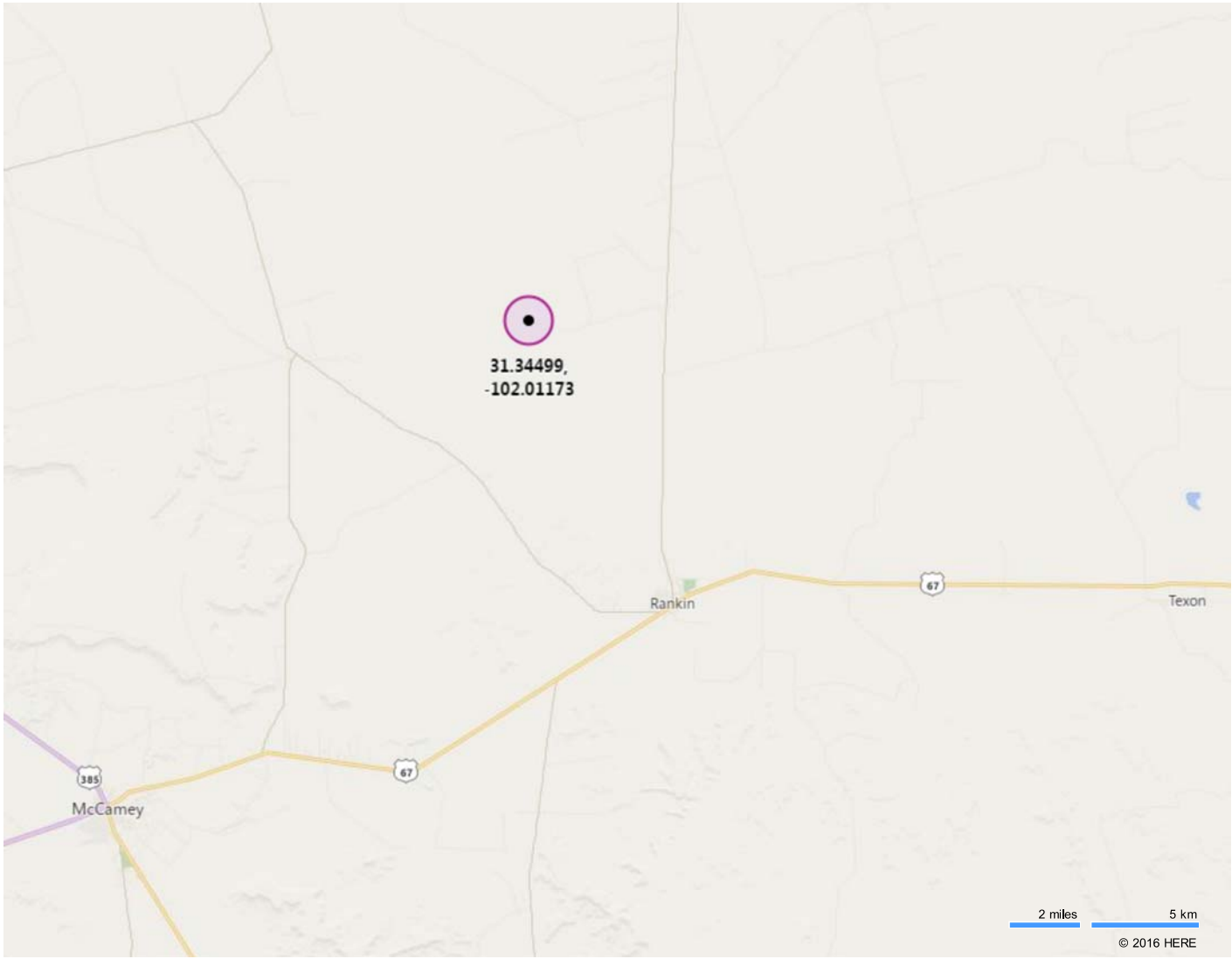
Analytical data from the ATM Facility was utilized to determine site-specific emissions.

Application - Section 5

bing maps

Notes

JM Cox Resources, LP
ATM Facility



bing maps

A **713 N Main St, Rankin, TX 79778**

B **31.34499, -102.01173**

20 min, 12.1 mi

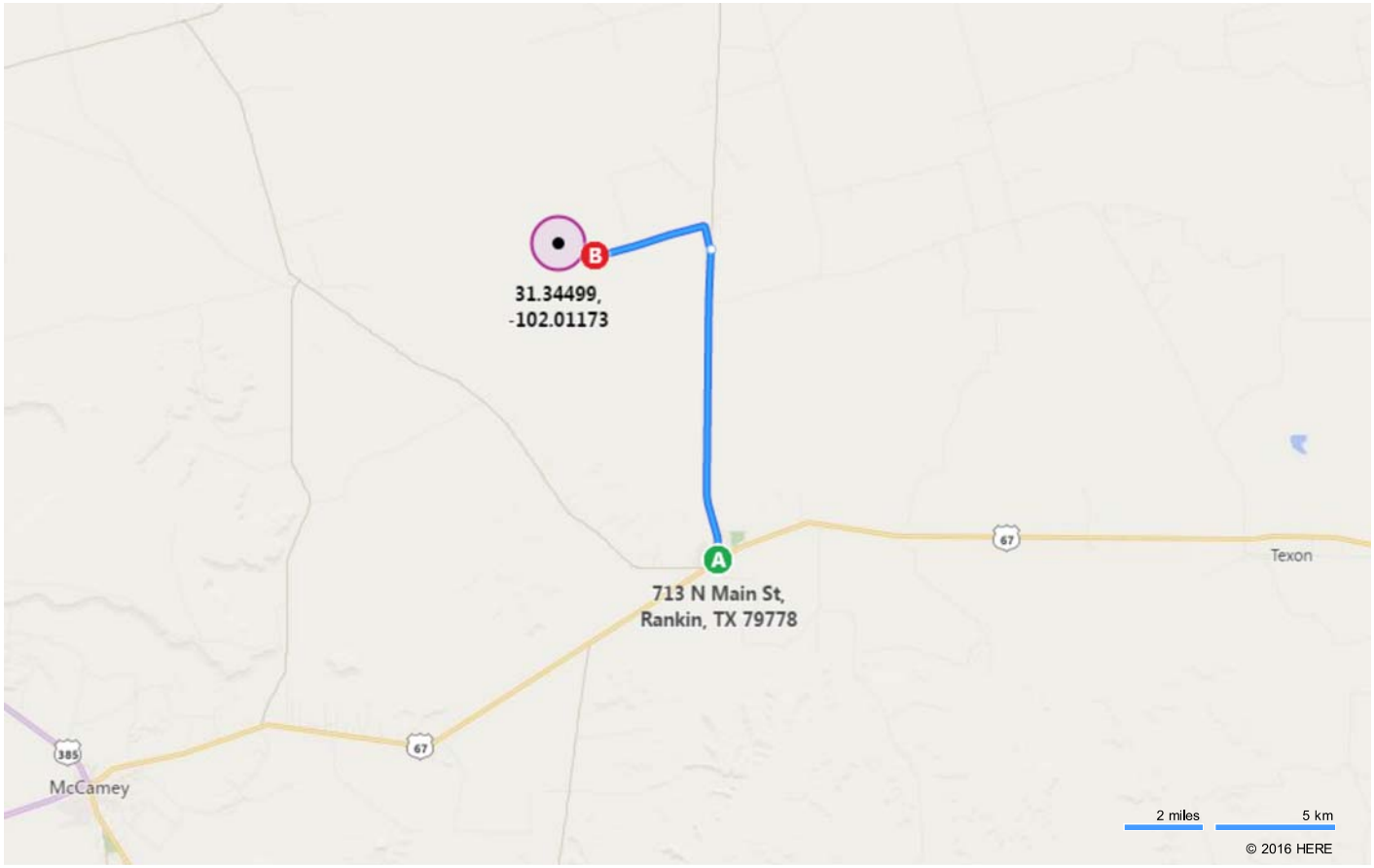
Light traffic (19 min without traffic)
Via TX-349, County Road 105

JM Cox Resources, LP
ATM Facility

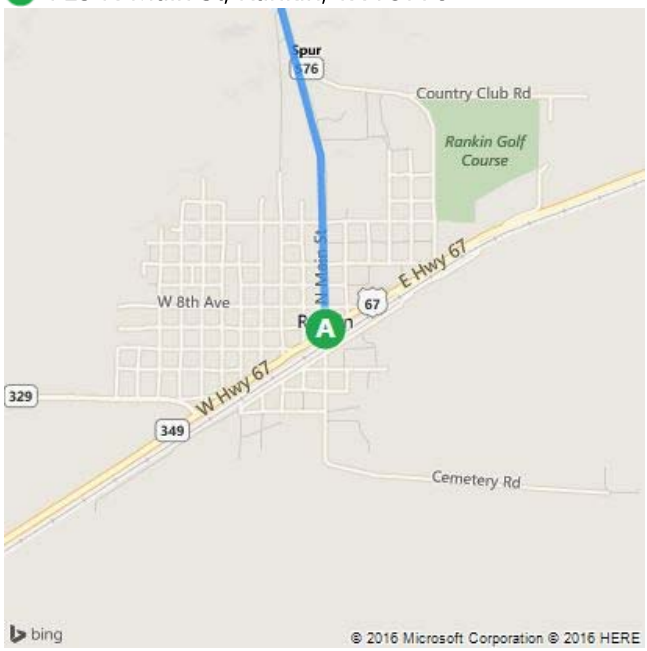
A **713 N Main St, Rankin, TX 79778**

↑	1.	Depart **TX-349 / N Main St** toward E 8th Ave	8.3 mi
↰	2.	Turn **left** onto **County Road 105** • *Unpaved Road*	3.7 mi
	3.	Arrive at **County Road 105** on the right	

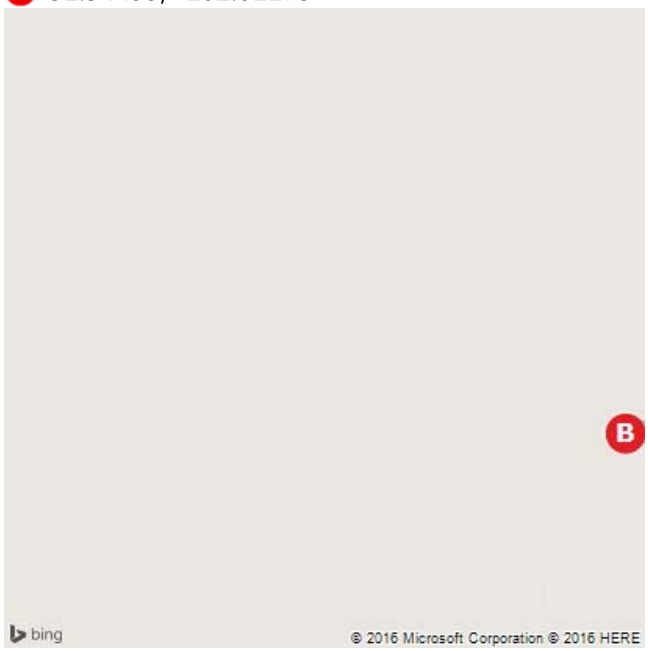
B **31.34499, -102.01173**



A 713 N Main St, Rankin, TX 79778



B 31.34499, -102.01173



Application - Section 6

Texas Commission on Environmental Quality
Permit by Rule Applicability Checklist
Title 30 Texas Administrative Code § 106.4

The following checklist was developed by the Texas Commission on Environmental Quality (TCEQ), **Air Permits Division**, to assist applicants in determining whether or not a facility meets all of the applicable requirements. Before claiming a specific Permit by Rule (PBR), a facility must first meet all of the requirements of **Title 30 Texas Administrative Code § 106.4** (30 TAC § 106.4), "Requirements for Permitting by Rule." Only then can the applicant proceed with addressing requirements of the specific Permit by Rule being claimed.

The use of this checklist is not mandatory; however, it is the responsibility of each applicant to show how a facility being claimed under a PBR meets the general requirements of 30 TAC § 106.4 and also the specific requirements of the PBR being claimed. If all PBR requirements cannot be met, a facility will not be allowed to operate under the PBR and an application for a construction permit may be required under 30 TAC § 116.110(a).

Registration of a facility under a PBR can be performed by completing **Form PI-7** (Registration for Permits by Rule) or **Form PI-7-CERT** (Certification and Registration for Permits by Rule). The appropriate checklist should accompany the registration form. Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the question number. The PBR forms, tables, checklists and guidance documents are available from the TCEQ, Air Permits Division Web site at: **www.tceq.state.tx.us/permitting/air/nav/air_pbr.html**.

1. 30 TAC § 106.4(a)(1) & (4): Emission limits	
List emissions in tpy for **each** facility (add additional pages or table if needed): SO_2 = _____ PM_{10} = _____ VOC = _____ NO_x = _____ CO = _____ Other _____ = _____ SO_2 = _____ PM_{10} = _____ VOC = _____ NO_x = _____ CO = _____ Other _____ = _____ SO_2 = _____ PM_{10} = _____ VOC = _____ NO_x = _____ CO = _____ Other _____ = _____ **Total** _____ _____ _____ _____ _____ _____	
• Are the SO_2, PM_{10}, VOC, or other air contaminant emissions claimed for **each** facility in this PBR submittal less than 25 tpy? • Are the NO_x and CO emissions claimed for each facility in this PBR submittal less than 250 tpy? *If the answer to both is "Yes," continue to the question below. If the answer to either question is "No," a **PBR cannot be claimed**.*	❑ YES ❑ NO ❑ YES ❑ NO
Has any facility at the property had public notice and opportunity for comment under 30 TAC Section 116 for a regular permit or permit renewal? (This does not include public notice for voluntary emission reduction permits, grandfathered existing facility permits, or federal operating permits.) *If "Yes," skip to Section 2. If "No," continue to the questions below.*	❑ YES ❑ NO
If the site has had no public notice, please answer the following: • Are the SO_2, PM_{10}, VOC, or other emissions claimed for **all** facilities in this PBR submittal less than 25 tpy? • Are the NO_x and CO emissions claimed for all facilities in this PBR submittal less than 250 tpy? *If the answer to both questions is "Yes," continue to Section 2.* *If the answer to either question is "No," **a PBR cannot be claimed**. A permit will be required under Chapter 116.*	 ❑ YES ❑ NO ❑ YES ❑ NO
2. 30 TAC § 106.4(a)(2): Nonattainment check	
Are the facilities to be claimed under this PBR located in a designated ozone nonattainment county? *If "Yes," please indicate which county by checking the appropriate box to the right.* (Marginal) - Hardin, Jefferson, and Orange counties *(BPA)* (Moderate) - Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties *(HGA)* (Moderate) - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties *(DFW)* *If "Yes," to any of the above, continue to the next question. If "No," continue to Section 3.*	❑ YES ❑ NO ❑ BPA ❑ HGA ❑ DFW

Does this project trigger a nonattainment review? To determine the answer, review the information below: ● Is the project's potential to emit (PTE) for emissions of VOC or NO_x increasing by 100 tpy or more? *PTE is the maximum capacity of a stationary source to emit any air pollutant under its worst-case physical and operational design unless limited by a permit, rule, or made federally enforceable by a certification.* ● Is the site an existing major nonattainment site and are the emissions of VOC or NO_x increasing by 40 tpy or more? If needed, attach contemporaneous netting calculations per nonattainment guidance. Additional information can be found at: **www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table8.html** and **www.tceq.state.tx.us/permitting/air/nav/air_docs_newsource.html** *If "Yes," to any of the above, the project is a major source or a major modification and* ***a PBR may not be used****. A Nonattainment Permit review must be completed to authorize this project. If "No," continue to Section 3.*	❑ YES ❑ NO ❑ YES ❑ NO
3. 30 TAC § 106.4(a)(3): Prevention of Significant Deterioration (PSD) check	
Does this project trigger a review under PSD rules? To determine the answer, review the information below: ● Are emissions of any regulated criteria pollutant increasing by 100 tpy of any criteria pollutant at a named source? ● Are emissions of any criteria pollutant increasing by 250 tpy of any criteria pollutant at an unnamed source? ● Are emissions increasing above significance levels at an existing major site? PSD information can be found at: **www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table9.html** and **www.tceq.state.tx.us/permitting/air/nav/air_docs_newsource.html** *If "Yes," to any of the above,* ***a PBR may not be used****. A PSD Permit review must be completed to authorize the project. If "No," continue to Section 4.*	❑ YES ❑ NO ❑ YES ❑ NO ❑ YES ❑ NO
4. 30 TAC § 106.4(a)(6): Federal Requirements	
● Will all facilities under this PBR meet applicable requirements of Title 40 Code of Federal Regulations (40 CFR) Part 60, New Source Performance Standards (NSPS)? If "Yes," which Subparts are applicable?: _____ ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 63, Hazardous Air Pollutants Maximum Achievable Control Technology (MACT) standards? If "Yes," which Subparts are applicable?: _____ ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs)? If "Yes," which Subparts are applicable?: _____ *If "Yes" to any of the above, please attach a discussion of how the facilities will meet any applicable standards.*	❑ YES ❑ NO ❑ N/A ❑ YES ❑ NO ❑ N/A ❑ YES ❑ NO ❑ N/A
5. 30 TAC § 106.4(a)(7): PBR prohibition check	
Are there any air permits at the site containing conditions which prohibit or restrict the use of PBRs? *If "Yes," PBRs may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required.* ***List permit number(s):***_____ *If "No," continue to Section 6.*	❑ YES ❑ NO

6. 30 TAC § 106.4(a)(8): NO_x Cap and Trade	
● Is the facility located in Harris, Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? *If "Yes," answer the question below. If "No," continue to Section 7.*	❑ YES ❑ NO
● Will the proposed facility or group of facilities obtain required allowances for NO_x if they are subject to 30 TAC Chapter 101, Subchapter H, Division 3 (relating to the Mass Emissions Cap and Trade Program)?	❑ YES ❑ NO
7. Highly Reactive Volatile Organic Compounds (HRVOC) check	
● Is the facility located in Harris County? *If "Yes," answer the next question. If "No," skip to the box below.* ● Will the project be constructed after June 1, 2006? *If "Yes," answer the next question. If "No," skip to the box below.* ● Will one or more of the following HRVOC be emitted as a part of this project?	❑ YES ❑ NO ❑ YES ❑ NO ❑ YES ❑ NO
If "Yes," complete the information below: lb/hr tpy ‣ 1,3-butadiene _____ _____ ‣ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene]) _____ _____ ‣ alpha-butylene (ethylethylene) _____ _____ ‣ beta-butylene (dimethylethylene, including both cis- and trans-isomers) _____ _____ ‣ ethylene _____ _____ ‣ propylene _____ _____	
● Is the facility located in Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? *If "Yes," answer the next question. If "No," the checklist is complete.* ● Will the project be constructed after June 1, 2006? *If "Yes," answer the next question. If "No," the checklist is complete.* ● Will one or more of the following HRVOC be emitted as a part of this project?	❑ YES ❑ NO ❑ YES ❑ NO ❑ YES ❑ NO
If "Yes," complete the information below: lb/hr tpy ‣ ethylene _____ _____ ‣ propylene _____ _____	

Company: JM Cox Resources, LP (Midland)
Facility: ATM Facility

Total Emissions

EPN	Description	NOx		CO		PM_{10}		$PM_{2.5}$		SO_2		VOC		HAPs	
		lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr
FE-01	Fugitive Emissions	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1500	5.0300	0.0000	0.0000
HT-01	Heater Treater Burner	0.0370	0.1620	0.0310	0.1360	0.0030	0.0130	0.0030	0.0130	0.0000	0.0000	0.0020	0.0090	0.0010	0.0040
MSS-01	Maintenance, Start-Up, and Shutdown Emissions	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0070	0.0300	0.0000	0.0000
OIL-LD-01	Tank Truck Crude/Condensate Loading Losses	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	31.3995	0.1508	0.0000	0.0000
OST-01	Oil Storage Tank	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2420	1.0590	0.0055	0.0250
OST-02	Oil Storage Tank	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2420	1.0590	0.0055	0.0250
WST-01	Water Storage Tank	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0202	0.0001	0.0004
WTR-LD-01	Tank Truck Water Loading Losses	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3022	0.0015	0.0000	0.0000
	TOTAL EMISSIONS	0.0370	0.1620	0.0310	0.1360	0.0030	0.0130	0.0030	0.0130	0.0000	0.0000	33.3493	7.3595	0.0121	0.0544

Note: 1) VOC emissions do not include methane and ethane but do include HAP emissions.
2) Some listed emission rates indicated as lbs/hr are not continuous for a year, therefore, the TPY are not calculated using 8760 hrs.

Application - Section 7

Title 30 Texas Administrative Code § 106.352
Permit By Rule (PBR) Checklist
Oil and Gas Production Facilities

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.352 (30 TAC § 106.352) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at www.tceq.state.tx.us/nav/permits/air_permits.html.

CHECK THE MOST APPROPRIATE ANSWER		
	Check the type of facilities covered by this registration(check all that are applicable): ☐ oil or gas production facility ☐ carbon dioxide separation facility ☐ oil or gas pipeline facility	
	The facilities at the site include (check all that apply): ☐ one or more tanks ☐ separators ☐ dehydration units ☐ free water knockouts ☐ gunbarrels ☐ heater treaters ☐ natural gas liquids recovery units ☐ gas sweetening and other gas conditioning facilities ☐ sulfur recovery units	☐ YES ☐ NO
	Will gas sweetening, sulfur recovery, or other gas conditioning facilities only condition gas that contains less than two (2) long tons per day of sulfur compounds as sulfur?	☐ YES ☐ NO
1	Do all compressors and flares fully meet the requirements of 30 TAC § 106.512 and 30 TAC § 106.492, respectively? Attach data showing how the exemptions are met. Checklists are available.	☐ YES ☐ NO
2	Are total emissions from all facilities, including fugitives and loading emissions, less than 25 tpy SO_2, VOC, or 250 tpy of CO or NO_x?	☐ YES ☐ NO
	Have you attached calculations and other data, such as a gas analysis, showing that the emissions limits of the general rule are met?	☐ YES ☐ NO
3	If the facility handles sour gas, is it located at least 1/4 mile from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? Attach a scaled map.	☐ YES ☐ NO
4	Are total emissions of sulfur compounds, excluding sulfur oxides, less than 4.0 pounds per hour? Attach calculations.	☐ YES ☐ NO
	Does the height of each vent emitting sulfur compounds meet or exceed the minimum vent height stated in 30 TAC § 106.352? List stack height: _____	☐ YES ☐ NO

Appendix - Section 1

Company Name: JM Cox Resources, LP
Facility: ATM Facility
EPN: FE-01
FIN: None
CIN: None
Source Description: Fugitive Emissions
Based on: Typical Facility Component counts

Gas

number	component	emission factor (kg/hr per component)*	emission factor (lb/hr of TOC per component)	lb/hr	tpy	VOC content* (wt %)	Control Efficiency (%)	lb/hr	tpy
91	Valve	0.0045	0.00992	0.902797681	3.954253842	29.451	0	0.266	1.165
0	Pump Seal	0.0024	0.00529	0	0	29.451	0	0.000	0.000
273	Connector	0.0002	0.00044	0.120373024	0.527233846	29.451	0	0.035	0.155
91	Flange	0.00039	0.00086	0.078242466	0.342702	29.451	0	0.023	0.101
9	Open-ended Line	0.002	0.00441	0.039683415	0.173813356	29.451	0	0.012	0.051
5	Other	0.0088	0.01940	0.097003902	0.424877092	29.451	0	0.029	0.125

Light Oil

number	component	emission factor (kg/hr per component)	emission factor (lb/hr of TOC per component)	lb/hr	tpy	VOC content* (wt %)	Control Efficiency (%)	lb/hr	tpy
94	Valve	0.0025	0.00551	0.518089023	2.269229921	99.642	0	0.516	2.261
0	Pump Seal	0.013	0.02866	0	0	99.642	0	0.000	0.000
282	Connector	0.00021	0.00046	0.130558434	0.57184594	99.642	0	0.130	0.570
94	Flange	0.00011	0.00024	0.022795917	0.099846117	99.642	0	0.023	0.099
9	Open-ended Line	0.0014	0.00309	0.02777839	0.121669349	99.642	0	0.028	0.121
5	Other	0.0075	0.01653	0.08267378	0.362111158	99.642	0	0.082	0.361

Heavy Oil

number	component	emission factor (kg/hr per component)	emission factor (lb/hr of TOC per component)	lb/hr	tpy	VOC content* (wt %)	Control Efficiency (%)	lb/hr	tpy
0	Valve	0.0000084	0.0000185	0	0	99.642	0	0.000	0.000
0	Pump Seal**	-	0.00113	0	0	99.642	0	0.000	0.000
0	Connector	0.0000075	0.0000165	0	0	99.642	0	0.000	0.000
0	Flange	0.00000039	0.0000009	0	0	99.642	0	0.000	0.000
0	Open-ended Line	0.00014	0.0003086	0	0	99.642	0	0.000	0.000
0	Other**	-	0.0006830	0	0	99.642	0	0.000	0.000

Water/Oil

number	component	emission factor (kg/hr per component)	emission factor (lb/hr of TOC per component)	lb/hr	tpy	VOC content* (wt %)	Control Efficiency (%)	lb/hr	tpy
5	Valve	0.000098	0.0002161	0.001080271	0.004731586	99.642	0	0.001	0.005
0	Pump Seal	0.000024	0.0000529	0	0	99.642	0	0.000	0.000
15	Connector	0.00011	0.0002425	0.003637646	0.015932891	99.642	0	0.004	0.016
5	Flange	0.0000029	0.0000064	3.19672E-05	0.000140016	99.642	0	0.000	0.000
1	Open-ended Line	0.00025	0.0005512	0.000551159	0.002414074	99.642	0	0.001	0.002
0	Other	0.014	0.0308649	0	0	99.642	0	0.000	0.000

	lb/hr	tpy
Uncontrolled THC emissions:	2.0253	8.8708

	lb/hr	tpy
VOC emissions:	**1.15**	**5.03**

* Emission factors are for oil and gas production facilities (not refineries), and come from the EPA's "Protocol for Equipment Leak Emission Estimates" November 1995, EPA 4531, R-95-017, Table 2-4.
** Emission factors that are not based on the EPA document are from the TCEQ "Air Permit Technical Guidance for Chemical Source Equipment Leak Fugitives (Draft October 2000)

Company Name: JM Cox Resources, LP
Facility: ATM Facility
EPN: HT-01
FIN: HT-01
CIN: None
Source Description: Heater Treater Burner

Emission Calculations:

Heat Rating of Unit:	0.50	MMBtu/hr
Btu Value of Fuel Gas:	1341.1	Btu/scf
Fuel Use of Unit:	373	scf/hr-avg
	3.27	MMscf/yr
Hours Operated for Year:	8760	hrs
Percent Operation for Year:	100.00	%

	Pollutant	Factor lb/MMscf fuel	Avg. lbs/hr	Total tons/yr	Source of Factor
CRITERIA	NOx	100	0.037	0.162	AP-42, Table 1.4-1 (7/98)
	CO	84	0.031	0.136	AP-42, Table 1.4-1 (7/98)
	PM_{10}	7.6	0.003	0.013	AP-42, Table 1.4-2 (7/98)
	SO_2	0.938	0.000	0.000	AP-42, Table 1.4-2 (7/98)-Adjusted [1]
	VOC	5.5	0.002	0.009	AP-42, Table 1.4-2 (7/98)
TOXIC AIR POLLUTANTS	N-Hexanes	1.800	0.001	0.004	AP-42, Table 1.4-3 (7/98)
	Acetaldehyde		0.000	0.000	No emission factor
	Formaldehyde	0.075	0.000	0.000	AP-42, Table 1.4-3 (7/98)
	Benzene	0.002	0.000	0.000	AP-42, Table 1.4-3 (7/98)
	Toluene	3.40E-03	0.000	0.000	AP-42, Table 1.4-3 (7/98)
	Ethylbenzene		0.000	0.000	No emission factor
	Xylenes		0.000	0.000	No emission factor
	Total TAP		0.001	0.004	
OTHER	Methane	2.3	0.001	0.004	AP-42, Table 1.4-2 (7/98)
	Ethane	3.1	0.001	0.004	AP-42, Table 1.4-3 (7/98)
	Non-toxic VOC (Heptane+)		0.001	0.005	= VOC - Total TAPs

Additional Notes:

1. The AP-42 factor for SO_2 is based on a fuel content of 2000 gr $H_2S/10^6$ scf (3.2 ppmv). This calculation adjusts the factor for 5 ppm(v) H2S.

Company: JM Cox Resources, LP
Facility: ATM Facility
Description: Maintenance, Start-Up and Shutdown Emissions
EPN: MSS-01
FIN: MSS-01
CIN: N/A

Equipment Maintenance/Shutdown Emissions

Source	Description	Vessel Dimensions			Vessel Conditions			Blowdown Conditions		Actual	Std. T&P	Piping	Vol./Event	Total	Total Volume
ID		OD, in.	L, ft.	Wall, in.	psig	°F	LL %	psig	°F	Ft^3	MSCF	%	MSCF	Occurances	MSCF
S-01	Separator	30	10	0.375	40	80	10	0	80	48.82	0.128	33.300	0.171	4.00	0.68
HT-01	Heater Treater Burner	48	20	0.375	30	80	10	0	80	247.95	0.487	33.300	0.650	4.00	2.60
														Subtotal (MSCF)	3.28
														Total (MSCF)	**3.28**

VOC mole %	12.405%
Molecular Weight	23.603

lb/hr VOC	0.007
tons/yr VOC	0.030

Company Name: JM Cox Resources, LP
Facility Name: ATM Facility
EPN: OIL-LD-01
FIN: OIL-LD-01
CIN: None
Source Description: Tank Truck Crude/Condensate Loading Losses

Using equation L_L = 12.46* SPM/T from AP-42, Chapter 5, Section 5.2-4

S =	0.6	= Saturation Factor
P =	4	= True vapor pressure of liquid loaded (psia)
M =	71.01	= Molecular Weight of Vapors (lb/lb-mole)
T =	539.67	= Temperature of bulk liquid loaded (in degrees Rankine)
Hourly Loading Rate =	7980	= Gallons Loaded per Hour
Annual Loading Rate =	76650	= Gallons Loaded per Year
Control =	0	= Efficiency of any Control Device (e.g. a VRU)
L_L =	3.9348	= Loading Loss (in pounds of VOC released per 1000 gallons of liquid loaded)
VOC lb/hr =	31.3995	
VOC tpy =	0.1508	

EPN: OST-01, OST-02
FIN: OST-01, OST-02
CIN: None

****
* Project Setup Information *
****

Project File : T:\Customers\JM Cox Resources LP - Midland\Air\Facilities\ATM\151223 - PBR Applicati
Flowsheet Selection : Oil Tank with Separator
Calculation Method : AP42
Control Efficiency : 100.0%
Known Separator Stream : Low Pressure Oil
Entering Air Composition : No

Well Name : ATM Facility
Well ID : Oil Storage Tanks, OST-01, OST-02
Date : 2016.03.31

****
* Data Input *
****

Separator Pressure : 39.00[psig]
Separator Temperature : 80.00[F]
Ambient Pressure : 14.70[psia]
Ambient Temperature : 80.00[F]
C10+ SG : 0.8744
C10+ MW : 283.365

-- Low Pressure Oil ----------

No.	Component	mol %
1	H2S	0.0000
2	O2	0.0000
3	CO2	0.0680
4	N2	0.0200
5	C1	0.9730
6	C2	1.6010
7	C3	3.4890
8	i-C4	0.8410
9	n-C4	4.0990
10	i-C5	2.2990
11	n-C5	3.4610
12	C6	0.5550
13	C7	9.6680
14	C8	10.6730
15	C9	5.9840
16	C10+	51.2670
17	Benzene	0.2940
18	Toluene	1.6040
19	E-Benzene	0.6870
20	Xylenes	1.3250
21	n-C6	0.9780
22	224Trimethylp	0.1140

-- Sales Oil ----------
Production Rate : 5[bbl/day]
Days of Annual Operation : 365 [days/year]
API Gravity : 39.61
Reid Vapor Pressure : 7.70[psia]
Bulk Temperature : 80.00[F]

-- Tank and Shell Data ----------
Diameter : 15.50[ft]
Shell Height : 16.00[ft]
Cone Roof Slope : 0.06
Average Liquid Height : 8.00[ft]
Vent Pressure Range : 0.06[psi]
Solar Absorbance : 0.68

-- Meteorological Data ----------

City : Midland/Odessa, TX
Ambient Pressure : 14.70[psia]
Ambient Temperature : 80.00[F]
Min Ambient Temperature : 49.90[F]
Max Ambient Temperature : 77.00[F]
Total Solar Insolation : 1802.00[Btu/ft^2*day]

****

* Calculation Results *

****

-- Emission Summary ----------

Item	Uncontrolled [ton/yr]	Uncontrolled [lb/hr]
Total HAPs	0.050	0.011
Total HC	2.701	0.617
VOCs, C2+	2.515	0.574
VOCs, C3+	2.118	0.484

Uncontrolled Recovery Info.

Vapor	129.5900 x1E-3	[MSCFD]
HC Vapor	127.6600 x1E-3	[MSCFD]
GOR	25.92	[SCF/bbl]

-- Emission Composition ----------

No	Component	Uncontrolled [ton/yr]	Uncontrolled [lb/hr]
1	H2S	0.000	0.000
2	O2	0.000	0.000
3	CO2	0.030	0.007
4	N2	0.007	0.002
5	C1	0.186	0.042
6	C2	0.397	0.091
7	C3	0.677	0.155
8	i-C4	0.133	0.030
9	n-C4	0.557	0.127
10	i-C5	0.223	0.051
11	n-C5	0.271	0.062
12	C6	0.017	0.004
13	C7	0.125	0.029
14	C8	0.052	0.012
15	C9	0.011	0.003
16	C10+	0.000	0.000
17	Benzene	0.006	0.001
18	Toluene	0.012	0.003
19	E-Benzene	0.002	0.000
20	Xylenes	0.003	0.001
21	n-C6	0.025	0.006
22	224Trimethylp	0.001	0.000
	Total	2.735	0.624

-- Stream Data ----------

No.	Component	MW	LP Oil mol %	Flash Oil mol %	Sale Oil mol %	Flash Gas mol %	W&S Gas mol %	Total Emissions mol %
1	H2S	34.80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	O2	32.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	CO2	44.01	0.0680	0.0180	0.0000	1.2559	0.0001	1.0768
4	N2	28.01	0.0200	0.0007	0.0000	0.4784	0.0001	0.4102
5	C1	16.04	0.9730	0.1045	0.0000	21.6258	0.0001	18.5415
6	C2	30.07	1.6010	0.6316	0.0000	24.6547	0.0001	21.1385
7	C3	44.10	3.4890	2.4359	0.0093	28.5338	1.0591	24.6153
8	i-C4	58.12	0.8410	0.7338	0.1243	3.3895	5.4171	3.6787
9	n-C4	58.12	4.0990	3.7580	1.1210	12.2077	34.2204	15.3472
10	i-C5	72.15	2.2990	2.2771	1.5467	2.8191	17.8503	4.9629
11	n-C5	72.15	3.4610	3.4721	2.6849	3.1963	23.0417	6.0266
12	C6	86.16	0.5550	0.5719	0.5795	0.1520	1.4215	0.3330

13	C7	100.20	9.6680	10.0365	10.9316	0.9039	9.0982	2.0726
14	C8	114.23	10.6730	11.1083	12.4083	0.3223	3.3323	0.7516
15	C9	128.28	5.9840	6.2330	7.0169	0.0637	0.6649	0.1494
16	C10+	283.37	51.2670	53.4228	60.3991	0.0000	0.0000	0.0000
17	Benzene	78.11	0.2940	0.3040	0.3185	0.0562	0.5423	0.1255
18	Toluene	92.13	1.6040	1.6677	1.8448	0.0880	0.8981	0.2036
19	E-Benzene	106.17	0.6870	0.7154	0.8029	0.0126	0.1310	0.0295
20	Xylenes	106.17	1.3250	1.3798	1.5501	0.0213	0.2206	0.0497
21	n-C6	86.18	0.9780	1.0103	1.0480	0.2103	2.0153	0.4677
22	224Trimethylp	114.24	0.1140	0.1184	0.1300	0.0085	0.0866	0.0197
	MW		188.19	194.45	207.52	39.35	71.01	43.87
	Stream Mole Ratio		1.0000	0.9596	0.9529	0.0404	0.0067	0.0471
	Heating Value	[BTU/SCF]				2219.84	3920.46	2462.38
	Gas Gravity	[Gas/Air]				1.36	2.45	1.51
	Bubble Pt. @ 100F	[psia]	59.57	18.40	2.26			
	RVP @ 100F	[psia]	119.71	66.85	14.26			
	Spec. Gravity @ 100F		0.745	0.748	0.753			

EPN: WST-01
FIN: WST-01
CIN: None

****
* Project Setup Information *
****

Project File : T:\Customers\JM Cox Resources LP - Midland\Air\Facilities\ATM\151223 - PBR Applicati
Flowsheet Selection : Oil Tank with Separator
Calculation Method : AP42
Control Efficiency : 100.0%
Known Separator Stream : Low Pressure Oil
Entering Air Composition : No

Well Name : ATM Facility
Well ID : Water Storage Tank, WST-01
Date : 2016.03.31

****
* Data Input *
****

Separator Pressure : 39.00[psig]
Separator Temperature : 80.00[F]
Ambient Pressure : 14.70[psia]
Ambient Temperature : 80.00[F]
C10+ SG : 0.8744
C10+ MW : 283.365

-- Low Pressure Oil ----------

No.	Component	mol %
1	H2S	0.0000
2	O2	0.0000
3	CO2	0.0680
4	N2	0.0200
5	C1	0.9730
6	C2	1.6010
7	C3	3.4890
8	i-C4	0.8410
9	n-C4	4.0990
10	i-C5	2.2990
11	n-C5	3.4610
12	C6	0.5550
13	C7	9.6680
14	C8	10.6730
15	C9	5.9840
16	C10+	51.2670
17	Benzene	0.2940
18	Toluene	1.6040
19	E-Benzene	0.6870
20	Xylenes	1.3250
21	n-C6	0.9780
22	224Trimethylp	0.1140

-- Sales Oil ----------
Production Rate : 5[bbl/day]
Days of Annual Operation : 365 [days/year]
API Gravity : 39.61
Reid Vapor Pressure : 7.70[psia]
Bulk Temperature : 80.00[F]

-- Tank and Shell Data ----------
Diameter : 15.00[ft]
Shell Height : 8.00[ft]
Cone Roof Slope : 0.06
Average Liquid Height : 4.00[ft]
Vent Pressure Range : 0.06[psi]
Solar Absorbance : 0.68

-- Meteorological Data ----------

City : Midland/Odessa, TX
Ambient Pressure : 14.70[psia]
Ambient Temperature : 80.00[F]
Min Ambient Temperature : 49.90[F]
Max Ambient Temperature : 77.00[F]
Total Solar Insolation : 1802.00[Btu/ft^2*day]

****
* Calculation Results *
****

-- Emission Summary ----------

Item	Uncontrolled [ton/yr]	Uncontrolled [lb/hr]
Total HAPs	0.040	0.009
Total HC	2.609	0.596
VOCs, C2+	2.423	0.553
VOCs, C3+	2.023	0.462

Per guidance from the Texas Commission of Environmental Quality, water storage tank emissions were calculated using crude oil/ condensate properties and water production rate. Emissions are then estimated at one percent of the calculated value.

Uncontrolled Recovery Info.

Vapor	127.8700 x1E-3	[MSCFD]
HC Vapor	125.9300 x1E-3	[MSCFD]
GOR	25.57	[SCF/bbl]

-- Emission Composition ----------

No	Component	Uncontrolled [ton/yr]	Uncontrolled [lb/hr]
1	H2S	0.000	0.000
2	O2	0.000	0.000
3	CO2	0.030	0.007
4	N2	0.007	0.002
5	C1	0.187	0.043
6	C2	0.399	0.091
7	C3	0.694	0.158
8	i-C4	0.137	0.031
9	n-C4	0.550	0.126
10	i-C5	0.199	0.045
11	n-C5	0.236	0.054
12	C6	0.014	0.003
13	C7	0.102	0.023
14	C8	0.042	0.010
15	C9	0.009	0.002
16	C10+	0.000	0.000
17	Benzene	0.005	0.001
18	Toluene	0.009	0.002
19	E-Benzene	0.002	0.000
20	Xylenes	0.003	0.001
21	n-C6	0.021	0.005
22	224Trimethylp	0.001	0.000
	Total	2.647	0.604

-- Stream Data ----------

No.	Component	MW	LP Oil mol %	Flash Oil mol %	Sale Oil mol %	Flash Gas mol %	W&S Gas mol %	Total Emissions mol %
1	H2S	34.80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	O2	32.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	CO2	44.01	0.0680	0.0180	0.0000	1.2559	0.0001	1.0987
4	N2	28.01	0.0200	0.0007	0.0000	0.4784	0.0002	0.4185
5	C1	16.04	0.9730	0.1045	0.0000	21.6258	0.0001	18.9191
6	C2	30.07	1.6010	0.6316	0.0000	24.6547	0.0001	21.5689
7	C3	44.10	3.4890	2.4359	0.0570	28.5338	4.8561	25.5703
8	i-C4	58.12	0.8410	0.7338	0.1999	3.3895	6.8310	3.8203
9	n-C4	58.12	4.0990	3.7580	1.5546	12.2077	37.5168	15.3754
10	i-C5	72.15	2.2990	2.2771	1.7332	2.8191	16.0135	4.4705
11	n-C5	72.15	3.4610	3.4721	2.9092	3.1963	20.0270	5.3028
12	C6	86.16	0.5550	0.5719	0.5852	0.1520	1.1580	0.2779

13	C7	100.20	9.6680	10.0365	10.8348	0.9039	7.2823	1.7022
14	C8	114.23	10.6730	11.1083	12.2179	0.3223	2.6510	0.6137
15	C9	128.28	5.9840	6.2330	6.8953	0.0637	0.5280	0.1218
16	C10+	283.37	51.2670	53.4228	59.2861	0.0000	0.0000	0.0000
17	Benzene	78.11	0.2940	0.3040	0.3188	0.0562	0.4384	0.1040
18	Toluene	92.13	1.6040	1.6677	1.8211	0.0880	0.7165	0.1667
19	E-Benzene	106.17	0.6870	0.7154	0.7896	0.0126	0.1041	0.0241
20	Xylenes	106.17	1.3250	1.3798	1.5240	0.0213	0.1754	0.0405
21	n-C6	86.18	0.9780	1.0103	1.0520	0.2103	1.6323	0.3883
22	224Trimethylp	114.24	0.1140	0.1184	0.1286	0.0085	0.0692	0.0161
	MW		188.19	194.45	205.90	39.35	68.34	42.98
	Stream Mole Ratio		1.0000	0.9596	0.9539	0.0404	0.0058	0.0461
	Heating Value	[BTU/SCF]				2219.84	3783.27	2415.52
	Gas Gravity	[Gas/Air]				1.36	2.36	1.48
	Bubble Pt. @ 100F	[psia]	59.57	18.40	2.82			
	RVP @ 100F	[psia]	119.71	66.85	17.42			
	Spec. Gravity @ 100F		0.745	0.748	0.752			

Company Name: JM Cox Resources, LP
Facility Name: ATM Facility
EPN: WTR-LD-01
FIN: WTR-LD-01
CIN: None
Source Description: Tank Truck Water Loading Losses

Using equation L_L = 12.46* SPM/T from AP-42, Chapter 5, Section 5.2-4

S =	0.6	= Saturation Factor
P =	4	= True vapor pressure of liquid loaded (psia)
M =	68.34	= Molecular Weight of Vapors (lb/lb-mole)
T =	539.67	= Temperature of bulk liquid loaded (in degrees Rankine)
Hourly Loading Rate	7980.000	= Gallons Loaded per Hour
Annual Loading Rate	76650	= Gallons Loaded per Year
Control	0	= Efficiency of any Control Device (e.g. a VRU)
L_L =	3.7868	= Loading Loss (in pounds of VOC released per 1000 gallons of liquid load
VOC lb/hr =	30.2189	
VOC tpy =	0.1451	
Assume 1% VOC lb/hr =	0.3022	
Assume 1% VOC tpy =	0.0015	

Appendix - Section 2

Certificate of Analysis

Number: 3040-13030199-001A

Venus Laboratory
2440 Chambers Street, Suite A
Venus, TX 76084

Station Name:	ATM	Sampled By:	J.Bridgeman
Station Number:	ATM	Sample Of:	Natural Gas Spot
Station Location:	J. M. Cox	Sample Date:	03/23/2013
Sample Point:	Sales Meter	Sample Conditions:	45 psig, @ 95 °F
Analyzed:	03/29/2013 08:40:30 by BD	Method:	GPA 2286
		Cylinder No:	00295

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	1.819	2.157		GPM TOTAL C2+	7.481
Carbon Dioxide	1.834	3.416			
Methane	70.289	47.726			
Ethane	13.554	17.250	3.621		
Propane	7.105	13.260	1.955		
Iso-Butane	0.678	1.668	0.222		
n-Butane	2.113	5.198	0.665		
Iso-Pentane	0.504	1.539	0.184		
n-Pentane	0.570	1.741	0.206		
i-Hexanes	0.347	1.230	0.138		
n-Hexane	0.190	0.693	0.079		
Benzene	0.050	0.163	0.014		
Cyclohexane	0.099	0.351	0.034		
i-Heptanes	0.423	1.655	0.169		
n-Heptane	0.063	0.267	0.029		
Toluene	0.042	0.164	0.014		
i-Octanes	0.206	0.920	0.092		
n-Octane	0.019	0.090	0.010		
Ethylbenzene	0.009	0.038	0.003		
Xylenes	0.008	0.040	0.004		
i-Nonanes	0.064	0.330	0.032		
n-Nonane	0.005	0.025	0.003		
Decane Plus	0.009	0.079	0.007		
	100.000	100.000	7.481		

Physical Properties	**Total**	**C10+**
Calculated Molecular Weight	23.63	133.14
GPA 2172-09 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1341.1	3154.2
Water Sat. Gas Base BTU	1317.7	3099.4
Relative Density Real Gas	0.8192	2.3085
Compressibility Factor	0.9954	

Comments: H2S 1 ppm

Certificate of Analysis

Number: 3040-13030199-002A

Venus Laboratory
2440 Chambers Street, Suite A
Venus, TX 76084

Station Name:	ATM	Sampled By:	J.Bridgeman	
Station Number:	ATM	Sample Of:	Condensate	Spot
Station Location:	J. M. Cox	Sample Date:	03/23/2013	
Sample Point:	Heater Treater	Sample Conditions:	39 psig, @ 80 °F	
Analyzed:	03/28/2013 11:43:00 by TF	Method:	GPA 2103	
		Cylinder No:	02289	

Analytical Data

Components	Mol. %	MW	Wt. %	Sp. Gravity	L.V. %
Nitrogen	0.020	28.013	0.003	0.807	0.003
Methane	0.973	16.043	0.083	0.300	0.230
Carbon Dioxide	0.068	44.010	0.016	0.817	0.016
Ethane	1.601	30.069	0.256	0.356	0.595
Propane	3.489	44.096	0.818	0.507	1.333
Iso-Butane	0.841	58.122	0.260	0.563	0.382
n-Butane	4.099	58.122	1.267	0.584	1.793
Iso-Pentane	2.299	72.149	0.882	0.625	1.167
n-Pentane	3.461	72.149	1.328	0.631	1.741
i-Hexanes	0.555	85.483	0.252	0.667	0.313
n-Hexane	0.978	86.175	0.448	0.664	0.558
2,2,4-Trimethylpentane	0.114	114.231	0.069	0.697	0.082
Benzene	0.294	78.114	0.122	0.885	0.114
Heptanes	9.668	94.934	4.880	0.729	5.535
Toluene	1.604	92.141	0.786	0.872	0.745
Octanes	10.673	107.909	6.124	0.746	6.790
Ethylbenzene	0.687	106.167	0.388	0.872	0.368
Xylenes	1.325	106.167	0.748	0.872	0.710
Nonanes	5.984	126.144	4.014	0.744	4.465
Decanes Plus	51.267	283.365	77.256	0.874	73.060
	100.000		100.000		100.000

Physical Properties	Total	C10+
Specific Gravity at 60°F	0.8270	0.8744
API Gravity at 60°F	39.611	30.325
Molecular Weight	188.054	283.365
Pounds per Gallon (in Vacuum)	6.894	7.290
Pounds per Gallon (in Air)	6.887	7.282
Cu. Ft. Vapor per Gallon @ 14.65 psia	13.956	9.793