

RAILROAD COMMISSION OF TEXAS

Gas Plants & Refineries Application and Reporting Process

Karen Cassidy, Engineering Unit

July 2015

Session Description



This class is an overview of the forms required for the operation of a refinery, or gas plant with a concentration on how to properly fill out the R-1 Form, and the R-3 Form.

What is a Refinery?



- processes or manufactures useful products from crude oil
- includes processing plants, blending plants, or treating plants

What is a Gas Plant?



- extracts liquid hydrocarbons from natural gas
- also from refinery or storage vapors

Gas Plant & Refinery Forms



- Organization Report (Form P-5)
- Certificate of Compliance (Form R-5/R-6)
- Monthly Report for Refineries (Form R-1)
- Monthly Report for Gas Plants (Form R-3)
- Monthly Report for Pressure Maintenance Plants (Form R-7)

Organization Report



- Form P-5
- Statewide Rule 3.1
- *prior to initial operation*
- renewed annually
- any change must be reported immediately

Certificate of Compliance



- Statewide Rule 3.61
- **renew annually**
- one year from date of the prior renewal

Certificate of Compliance



- Refinery and Gas Plant (Form R-5)
- Cycling Plant (Form R-6)

Other types of plants such as **drip stations, scrubbers, separators, dehydrators, etc. which only produce liquid hydrocarbons without any processing **do not need** a Certificate of Compliance*

Form R-5



- Form must be **mailed** to the **District Office**
- a Refinery or Gas Plant cannot be legally operated without a current Certificate of Compliance

Form R-6



- Statewide Rule 3.62
- file annually with the District Office
- renew by filing a form R-6 by August 1st of each year

Form R-5/D-N Form



Form R-5

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION
CERTIFICATE OF COMPLIANCE

Form R-5
(Rev. 3-73)

Operator <u>XYZ Operating Company</u>		District <u>01</u>
Street or Box <u>123 Penny Lane</u>		County <u>Bexar</u>
City <u>Pleasant Town, TX</u>	State <u>TX</u>	Zip <u>75555</u>
Plant Name <u>Bexar Gas Plant</u>		Refinery <input type="checkbox"/>
Location <u>1 Gas Plant Rd, Small Town, TX 76666</u>		Natural Gasoline Plant <input checked="" type="checkbox"/>

Check One: Corporation Partnership Individual

Form P-5 123456 Attached On file with the Commission

This will certify that the above mentioned plant is in compliance with the terms and provisions of the Railroad Commission Statewide Rule 61 covering the operation of refineries and gasoline plants in the State of Texas.

REMARKS: Annual Renewal for 2015-2016

CERTIFICATE:

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

<u>John Doe</u> Signature Date <u>1/9/2015</u> Title <u>Asset Director</u>	<u>John Doe</u> Name of Person (type or print) Telephone Number <u>(555) 555-1212</u> Area Code Number
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INSTRUCTIONS

This form shall be filed in duplicate to the appropriate Commission District Office prior to initiating operations of any refinery or natural gasoline plant. The certificate is valid for one year and must be renewed one year from date of prior approval.

An R-5 form is Submitted by the Operator to the District Office having Jurisdiction over the facility.

District Office Notification Form

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Field Operations

DISTRICT OFFICE
NOTIFICATION FORM
D-N
rev. 3/01
JOB NO. 2016-3283
DISTRICT 01

NOTIFICATION: <input checked="" type="checkbox"/> INDUSTRY <input type="checkbox"/> PUBLIC		<input checked="" type="checkbox"/> CALL <input type="checkbox"/> LETTER <input type="checkbox"/> OTHER	
NAME <u>Janet Jones</u>		DATE <u>03/03/15</u> TIME <u>10:50</u>	
TITLE/CO. <u>XYZ Operating Co.</u>		PHONE # <u>(555) 555-1212</u>	

OPERATOR XYZ Operating Co. LEASE/ID _____ MUST WITNESS

LEASE/FACILITY Bexar Gas Plant DRILL PMT. NO. _____

WELL No(s) _____ PLANT NO. 01-0943 TAKEN BY: SMITHJ

FIELD _____ PIT PMT. NO. _____ DATE 03/03/15

COUNTY Bexar PIPELINE PMT. NO. _____ AUSTIN DISTRICT

COMPLAINT NO. _____ OTHER _____ RETURN BY: _____

COMPLAINANT NAME _____ LE DOCKET NO. _____ DATE 04/03/15

PHONE NUMBER _____ SFP CODE _____

ADDRESS _____ SFCU CODE _____ BACKCHECK

DIRECTIONS plant phone # 555-555-1212
1 Gas Plant Rd, Small Town, TX 76666

A <input type="checkbox"/> BLOWOUT	H <input type="checkbox"/> H2S COMPLIANCE INSP.	P <input type="checkbox"/> OIL SPILL (NON-SENS. AREA)	W <input type="checkbox"/> PROD. TEST
B <input type="checkbox"/> COM. SURFACE DISP. FACILITY	I <input type="checkbox"/> H2S INCIDENT	Q <input type="checkbox"/> OIL SPILL (SENS. AREA)	X <input type="checkbox"/> PROD./INT. CASING
C <input type="checkbox"/> COM. DISPOSAL WELL	J <input type="checkbox"/> HYDROCARBON STRG.	R <input type="checkbox"/> PIT INSPECTION	Y <input type="checkbox"/> SEAL WELL
D <input type="checkbox"/> FLARE/VENT	K <input type="checkbox"/> LEASE INSPECTION	S <input checked="" type="checkbox"/> PLANT INS (SA) Gas	Z <input type="checkbox"/> SITE ASMT (SFCU)
E <input type="checkbox"/> DISPOSAL/INJECTION	L <input type="checkbox"/> MIT	T <input type="checkbox"/> PLUGGING (OPER.)	AA <input type="checkbox"/> SITE CLEAN-UP (SFCU)
F <input type="checkbox"/> DRILLING RIG	M <input type="checkbox"/> MINOR PERMIT	U <input type="checkbox"/> PLUGGING (SFP)	BB <input type="checkbox"/> SURFACE CASING
G <input type="checkbox"/> FIRE	N <input type="checkbox"/> OFFICE	V <input type="checkbox"/> PROD. WATER SPILL	CC <input type="checkbox"/> WASTE HAULER
	O <input type="checkbox"/> OTHER		

COMMENTS: Please conduct R-5 inspection, JLS.

Monthly Report for Refinery



Form R-1

- materials received
- products manufactured
- deliveries leaving the refinery

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Monthly Report and Operations Statement for Refineries
(Report in Barrels)

Corrected Report

**Page 1
R-1 Form**

Operator Breaker Oil Company Month January 2013

Address 302 Main Registration No. 00-0000

Dallas Street or P.O. Box No. 79701
City State Zip Code

Decatur Refinery (Instructions on Reverse Side)
Refinery Name

Name of Material	Code	Storage Beginning of Month	Receipts	INPUT Runs to Stills and/or Blends	Products Manufactured	Fuel Used	Deliveries	Storage End of Month
Propane	1							
Butane	2	462,528	174,293	207,843				428,978
Butane-Propane	3				37,602		37,602	
Motor Gasoline	4	1,147,659			6,010,181	444	6,155,903	1,001,493
Kerosene	5	337,216	59,731		808,601	618	997,484	247,446
Home Heating Oil	6				27,019		27,019	
Diesel Fuel	7				748,157		748,157	
Other Middle Distillates	8	3,327,229	216,266		34,985	3,031	319,092	3,256,357
Aviation Gasoline	9							
Kerosene - Type Jet Fuel	10							
Naptha - Type Jet Fuel	11							
Fuel Oil #4 For Utility Use	12				618,103		618,103	
Fuel Oil #5, #6 For Utility Use	13							
Fuel Oil #4 For Non-Utility Use	14							
Fuel Oils #5, #6 For Non-Utility Use	15				888,894		888,894	
Bunker C	16							
Navv Special	17							
Other Residual Fuels	18							
Petrochemical Feedstocks	19	77,420	868,110	853,283			6,779	85,468
Lubricants	20							
Special Napthas	21							
Solvent Products	22							
Miscellaneous	23	3,779,126	349,484	119,035	1,994,242	459,032	1,603,439	3,941,346
Crude Oil	24	1,273,352	10,120,535	10,119,002		1,428		1,273,457
TOTAL: (Barrels)		10,404,530	11,788,419	11,299,163	11,167,784	464,553	11,402,472	10,234,545

CERTIFICATE:

Signature Joe Terry

Storage Beg. Of Month + Receipts – Input + Products Manufactured – Fuel Used – Deliveries = Storage End of Month

prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Date 01-24-13 Title District Engineer

Telephone No. (214) 555-1212
Area Code Number

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Monthly Report and Operations Statement for Refineries
(Report in Barrels)

Corrected Report

**Page 1
R-1 Form**

Operator Breaker Oil Company Month January 2013

Address 302 Main Registration No. 00-0000

Dallas Street or P.O. Box No. 79701
City State Zip Code

Decatur Refinery (Instructions on Reverse Side)
Refinery Name

Name of Material	Code	Storage Beginning of Month	Receipts	INPUT Runs to Stills and/or Blends	Products Manufactured	Fuel Used	Deliveries	Storage End of Month
Propane	1							
Butane	2	462,528	174,293	207,843				428,978
Butane-Propane	3				37,602		37,602	
Motor Gasoline	4	1,147,659			6,010,181	444	6,155,903	1,001,493
Kerosene	5	337,216	59,731		808,601	618	997,484	247,446
Home Heating Oil	6				27,019		27,019	
Diesel Fuel	7				748,157		748,157	
Other Middle Distillates	8	3,227,229	216,266		34,985	3,031	319,092	3,256,357
Aviation Gasoline	9							
Kerosene - Type Jet Fuel	10							
Naptha - Type Jet Fuel	11							
Fuel Oil #4 For Utility Use	12				618,103		618,103	
Fuel Oil #5, #6 For Utility Use	13							
Fuel Oil #4 For Non-Utility Use	14							
Fuel Oils #5, #6 For Non-Utility Use	15				888,894		888,894	
Bunker C	16							
Navv Special	17							
Other Residual Fuels	18							
Petrochemical Feedstocks	19	77,420	868,110	853,283			6,779	85,468
Lubricants	20							
Special Napthas	21							
Solvent Products	22							
Miscellaneous	23	3,779,126	349,484	119,035	1,994,242	459,032	1,603,439	3,941,346
Crude Oil	24	1,273,352	10,120,535	10,119,002		1,428		1,273,457
TOTAL: (Barrels)		10,404,530	11,788,419	11,299,163	11,167,784	464,553	11,402,472	10,234,545

CERTIFICATE:

Signature Joe Terry

Storage Beg. Of Month + Receipts – Input + Products Manufactured – Fuel Used – Deliveries = Storage End of Month

prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Date 01-24-13 Title District Engineer

Telephone No. (214) 555-1212
Area Code Number

Detail Statement of Stocks at End
of Period (Group Each Kind of
Stock Together and Total)

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**
Monthly Report and Operations Statement for Refineries

Corrected Report

**Page 4
R-1 Form**

Operator Breaker Oil Company

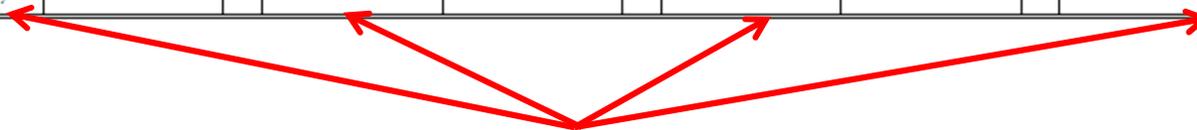
Month January 2013

Quantities shown on this
Page Must Equal Amount
Shown on Page 1.

(Instructions on Reverse Side)

Registration No. 00-0000

1	2	3	1	2	3	1	2	3	1	2	3
Capacity	Code	Barrels	Capacity	Code	Barrels	Capacity	Code	Barrels	Capacity	Code	Barrels
1,000,000	2	428,978									
2,999,830	4	1,001,493									
981,792	5	247,446									
5,552,693	8	3,256,357									
150,000	19	85,468									
6,247,301	23	3,941,346									
1,962,838	24	1,273,457									
18,894,454	X	10,234,545		X			X			X	



Monthly Report for Gas Plant



- Form R-3
- Statewide Rule 3.54
- Must file **monthly**
- Original filed with **Austin Office**
- **25th** of the **following** month

Monthly Report for Gas Plant



- Report movement of liquids produced from natural gas
- Applies to the following facilities:
 - Gas Plants (R-3)
 - Drip Stations (R-3)
 - Cycling Plants (R-3)
 - Pressure Maintenance Plants (R-7)

Form R-3

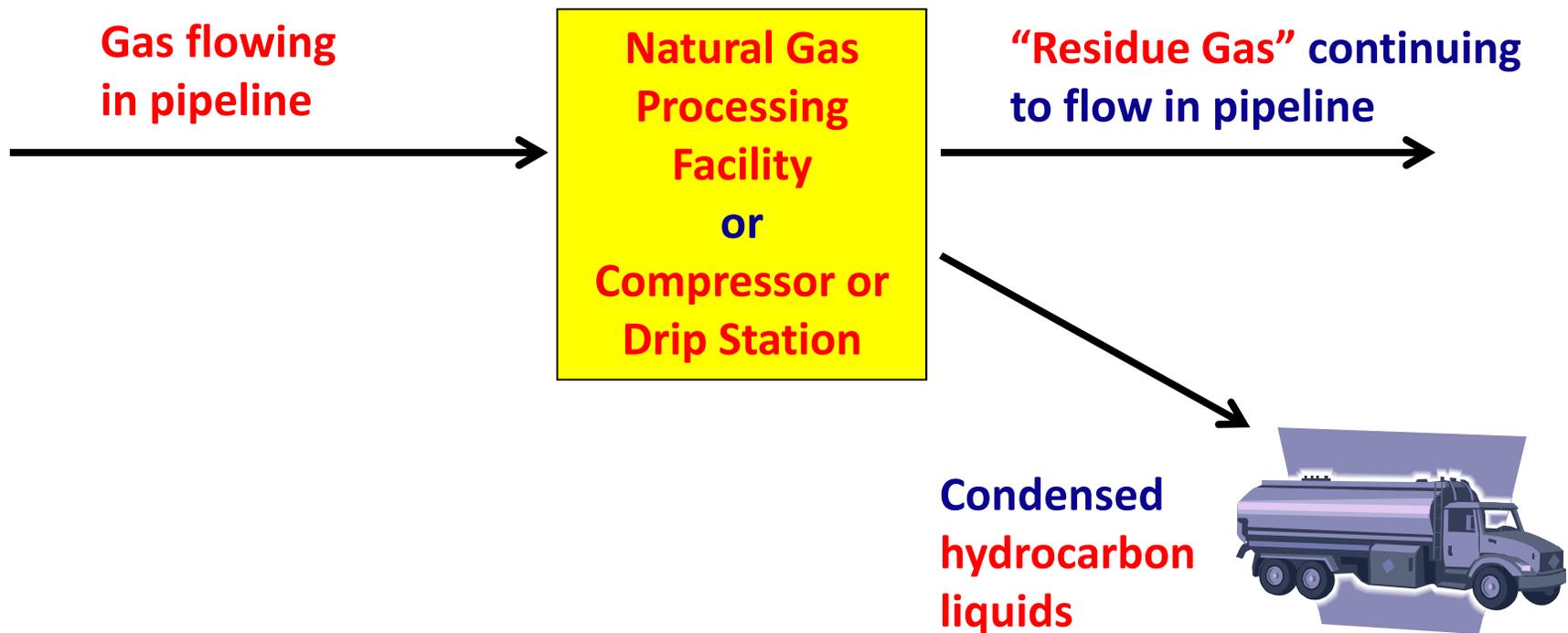


- natural gas received
- origin and disposition
- solids, other gases, and liquid hydrocarbons from processing of natural gas
- Stock balance and itemization of liquid hydrocarbons

Form R-3



General purpose



Form R-3



Identification Section

Top of Page 1

New Plant

R-3
Mock up

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin, Texas 78711-2967

**MONTHLY REPORT FOR
GAS PROCESSING PLANTS**

REPORT FOR (mm/yy) 09/12

<p>_____ XYZ Operating Company OPERATOR NAME</p> <p>_____ 123 Penny Lane, Pleasant Town, TX 75555 OPERATOR ADDRESS</p> <p>_____ Bexar County Regular FIELD</p>	<p>_____ Bexar COUNTY</p> <p>_____ Bexar Gas Plant PLANT/SYSTEM NAME</p> <p>_____ 555555 OPERATOR P-5 NO.</p>	<p>_____ SERIAL NO.</p> <p>_____ 200,000 R-5 PLANT AVG. INTAKE CAPACITY</p> <p>TYPE PLANT: <input checked="" type="checkbox"/> GAS PLT. <input type="checkbox"/> COMP STA. <input type="checkbox"/> DEHY STA. <input type="checkbox"/> DRIP STA. <input type="checkbox"/> CYCLING PLT. <input type="checkbox"/> OTHER</p>
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PHYSICAL LOCATION (For initial R-3 or changes (street address or distance & direction from nearest named major intersection)) NE ¼ Sec 20 Blk M JB Texan survey, Bexar County

Form R-3



Identification Section

Top of Page 1

RAILROAD COMMISSION OF TEXAS Oil and Gas Division PO Box 12967 Austin, Texas 78711-2967		MONTHLY REPORT FOR GAS PROCESSING PLANTS		R-3 Mock up
XYZ Operating Company OPERATOR NAME		Bexar COUNTY	REPORT FOR (mm/yy) 09/12	01-5555 SERIAL NO.
123 Penny Lane, Pleasant Town, TX 75555 OPERATOR ADDRESS		Bexar Gas Plant PLANT/SYSTEM NAME	200,000 R-5 PLANT AVG. INTAKE CAPACITY	
Bexar County Regular FIELD		55555 OPERATOR P-5 NO.	TYPE PLANT: <input checked="" type="checkbox"/> GAS PLT. <input type="checkbox"/> COMP STA. <input type="checkbox"/> DEHY STA. <input type="checkbox"/> DRIP STA. <input type="checkbox"/> CYCLING PLT. <input type="checkbox"/> OTHER	
PHYSICAL LOCATION (For initial R-3 or changes (street address or distance & direction from nearest named major intersection)		NE ¼ Sec 20 Blk M JB Texan survey, Bexar County		

Form R-3



Section I: Intake Volumes

SECTION I: Intake Volumes (MCF Monthly)	GAS WELL GAS	CASINGHEAD	TOTAL
1. NO. OF WELLS PRODUCED		34	34
2. GAS INTO GATHERING SYSTEM		86,736	86,736
3. DELIVERIES FROM GATHERING SYSTEM		802	802
4. GATHERING SYSTEM TO PLANT FOR PROCESSING		85,934	85,934
5. PLANT INTAKE – FROM PI			85,934
6. LOSS OR GAIN – DIFF. BE			
7. REFINERY AND STORAGE VAPORS			
8. GAS FROM OTHER PROCESSING PLANTS			
9. GAS FROM MAIN TRANSMISSION LINES			
10. GAS WITHDRAWN FROM STORAGE			
11. GAS IMPORTED FROM OTHER STATES	OK		54,742
12. NET GAS TO PLANT PROCESSING			140,676

Section I itemizes gas volumes received into the gathering system

Line 4 must equal line 2 minus line 3

Form R-3



Section II: Disposition of Unprocessed Gas Section III: Disposition of Residue Gas

SECTION II: Disposition of Unprocessed Gas from Gathering System (MCF Monthly)		GAS WELL GAS	CASINGHEAD	TOTAL
1. FUEL SYSTEM AND LEASE USE				
2. GAS LIFT			802	802
3. REPRESSURING & PRESSURE MAINTENANCE				
4. CYCLED				
5. UNDERGROUND STORAGE				
6. OTHER PROCESSING PLANTS				
7. CARBON BLACK PLANTS				
8. TRANSMISSION LINE				
9. VENTED				
10. TOTAL			802	802

SECTION III: Disposition of Residue Gas (MCF Monthly)			
1. EXTRACTION LOSS	6,515	7. REPRESS & PRESS MAINT	484
2. H ₂ S LOSS		8. CYCLED	
3. CO ₂ LOSS		9. UNDERGROUND STORAGE	
4. PLANT FUEL	8,742	10. CARBON BLACK	
5. LEASE FUEL & USE		11. OTHER PROCESS. PLANTS	
6. GAS LIFT		12. TRANSMISSION LINE	124,923
		13. VENTED	12
		14. METER DIFFERENCE	
		15. WATER	
		16. NITROGEN GAS	
		TOTAL (LINES 1-16)	140,676

REPORT ALL GAS VOLUMES IN MCF AT 14.65 PSIA PRESSURE AND 60° FAHRENHEIT IN ACCORDANCE WITH GAS MEASUREMENT LAW.			
SECTION I: Intake Volumes (MCF Monthly)	GAS WELL GAS	CASINGHEAD	TOTAL
1. NO. OF WELLS PRODUCED		34	34
2. GAS INTO GATHERING SYSTEM		86,736	86,736
3. DELIVERIES FROM GATHERING SYSTEM		802	802
4. GATHERING SYSTEM TO PLANT FOR PROCESSING		85,934	85,934
5. PLANT INTAKE – FROM PLANT METERS		85,934	85,934
6. LOSS OR GAIN – DIFF. BETWEEN LINES 4 & 5			
7. REFINERY AND STORAGE VAPORS			
8. GAS FROM OTHER PROCESSING PLANTS			
9. GAS FROM MAIN TRANSMISSION LINES			
10. GAS WITHDRAWN FROM STORAGE			
11. GAS IMPORTED FROM OTHER STATES		OK	54,742
12. NET GAS TO PLANT PROCESSING			140,676
SECTION II: Disposition of Unprocessed Gas from Gathering System (MCF Monthly)	GAS WELL GAS	CASINGHEAD	TOTAL
1. FUEL SYSTEM AND LEASE USE			
2. GAS LIFT		802	802
3. REPRESSURING & PRESSURE MAINTENANCE			
4. CYCLED			
5. UNDERGROUND STORAGE			
6. OTHER PROCESSING PLANTS			
7. CARBON BLACK PLANTS			
8. TRANSMISSION LINE			
9. VENTED			
10. TOTAL		802	802
SECTION III: Disposition of Residue Gas (MCF Monthly)			
1. EXTRACTION LOSS _____ 6,515	7. REPRESS & PRESS MAINT _____ 484	13. VENTED _____ 12	
2. H ₂ S LOSS _____	8. CYCLED _____	14. METER DIFFERENCE _____	
3. CO ₂ LOSS _____	9. UNDERGROUND STORAGE _____	15. WATER _____	
4. PLANT FUEL _____ 8,742	10. CARBON BLACK _____	16. NITROGEN GAS _____	
5. LEASE FUEL & USE _____	11. OTHER PROCESS. PLANTS _____		
6. GAS LIFT _____	12. TRANSMISSION LINE _____ 124,923		
		TOTAL (LINES 1-16) _____	140,676

**Form R-3,
Bottom of Page 1**

SECTION V: Plant Liquid Hydrocarbon Production (barrels monthly)					
1. CONDENSATE FROM GAS WELL GAS		2. SCRUBBER OIL FROM CASINGHEAD GAS			
3. PLANT CONDENSATE	1,874	6. PROPANE	1,059	9. ETHANE	553
4. GASOLINE	1,212	7. BUTANE-PROPANE MIX		10. Inert gas	4
5. BUTANE	980	8. ISO-BUTANE	241	11. TOTAL	5,923

**Form R-3,
Top of Page 2**

SECTION VII: Barrels								
	Condensate	Scrubber Oil	Gasoline	Butane	Propane	Ethane	Other	Total
1. OPENING BALANCE	267		77	105	138	80		667
2. FROZEN STOCK								
3. TOTAL OPENING STOCK	267		77	105	138	80		667
4. RECEIVED (Sec. VIII)								
5. PRODUCED (Sec. V)	1874		1,212	980	1,059	553	245	5,923
6. DELIVERED (Sec. VIII)	1565		1,150	750	958	445	4	4,872
7. LOSS (Explain in Sec. XI.3)								
8. TOTAL CLOSING STOCK	576		139	335	239	188		1,718
9. FROZEN STOCK								
10. CLOSING BALANCE	576		139	335	239	188	241	1,718

Form R-3



Section VII: Barrels

From line 10 on previous month's R-3 Form

SECTION VII: Barrels								
	Condensate	Scrubber Oil	Gasoline	Butane	Propane	Ethane	Other	Total
1. OPENING BALANCE	267		77	105	138	80		667
2. FROZEN STOCK								
3. TOTAL OPENING STOCK	267		77	105	138	80		667
4. RECEIVED (Sec. VIII)								
5. PRODUCED (Sec. V)	1874		1,212	980	1,059	553	245	5,923
6. DELIVERED (Sec. VIII)	1565		1,150	750	958	445	4	4,872
7. LOSS (Explain in Sec. XI.3)								
8. TOTAL CLOSING STOCK						.88		1,718
9. FROZEN STOCK								
10. CLOSING BALANCE	576		139	335	239	188	241	1,718

Section VII liquid hydrocarbon stock balancing

Form R-3



Section VIII: Liquid Operations Statement

SECTION VII: Barrels								
	Condensate	Scrubber Oil	Gasoline	Butane	Propane	Ethane	Other	Total
1. OPENING BALANCE	267		77	105	138	80		667
2. FROZEN STOCK								
3. TOTAL OPENING STOCK	267		77	105	138	80		667
4. RECEIVED (Sec. VIII)								
5. PRODUCED (Sec. V)	1874		1,212	980	1,059	553	245	5,923
6. DELIVERED (Sec. VIII)	1565		1,150	750	958	445	4	4,872
7. LOSS (Explain in Sec. XI.3)								
8. TOTAL CLOSING STOCK	576		139	335	239	188		1,718
9. FROZEN STOCK								
10. CLOSING BALANCE	576		139	335	239	188	241	1,718
SECTION VIII: Liquids Operations Statement								
Company	RRC Registration Serial No.	Commodity			Received Bbls	Delivered Bbls		
ABC Crude Oil, LLC	T-101-74	Condensate				1,565		
LMN Energy Corporation	T-101-85	Gasoline				1,150		
		Butane				750		
		Propane				958		
		Ethane				445		
		Inert				4		
TOTALS						4,872		

Form R-3



Section IX: Report of Gas Injected

- If any reported gas in Section II or Section III injected for:
 - direct repressuring
 - pressure maintenance
 - cycling
 - underground storage

Form R-3



Section X: Detail of Delivery of Gas

- any volumes listed in **Section II** or **Section III**
 - **Other processing plants**
 - **Transmission line** (including gas to other for lease use, storage, industrial use, etc.)

SECTION X: Detail of Delivery of Gas – Except Lease Fuel System (MCF monthly)			
Delivered to Whom	Use or Disposition	Unprocessed Gas (Sec. II)	Residue Gas (Sec. III)
QRS Marketing, Ltd. XYZ Operating Company	Wholesale Lease Use	Transmission Line 802	124,923

Form R-3



Section XI: Remarks

- reason for venting unprocessed gas
- reason for venting residue gas
- explanation for any “loss”
- transfer of facility to another operator

SECTION XI: Remarks

1. REASON FOR VENTING UNPROCESSED GAS _____
2. REASON FOR VENTING RESIDUE GAS _____ Plant Maintenance
3. _____ Evaporation

Form R-3



Section XI: Remarks-report reason for venting

SECTION II: Disposition of Unprocessed Gas from Gathering System (MCF Monthly)		GAS WELL GAS	CASINGHEAD	TOTAL
1. FUEL SYSTEM AND LEASE USE				
2. GAS LIFT			802	802
3. REPRESSURING & PRESSURE MAINTENANCE				
4. CYCLED				
5. UNDERGROUND STORAGE				
6. OTHER PROCESSING PLANTS				
7. CARBON BLACK PLANTS				
8. TRANSMISSION LINE				
9. VENTED				
10. TOTAL			802	802

SECTION III: Disposition of Residue Gas (MCF Monthly)			
1. EXTRACTION LOSS	6,515	7. REPRESS & PRESS MAINT	484
2. H ₂ S LOSS		8. CYCLED	
3. CO ₂ LOSS		9. UNDERGROUND STORAGE	
4. PLANT FUEL	8,742	10. CARBON BLACK	
5. LEASE FUEL & USE		11. OTHER PROCESS. PLANTS	
6. GAS LIFT		12. TRANSMISSION LINE	124,923
		13. VENTED	12
		14. METER DIFFERENCE	
		15. WATER	
		16. NITROGEN GAS	
		TOTAL (LINES 1-16)	140,676

SECTION XI: Remarks

1. REASON FOR VENTING UNPROCESSED GAS _____

2. REASON FOR VENTING RESIDUE GAS _____ Plant Maintenance _____

3. _____ Evaporation _____

Forms from Website



[About Us](#) - [Oil & Gas](#) - [Alternative Fuels](#) - [Gas Services](#) - [Pipeline Safety](#)

- Announcements
- Applications and Permits
- Compliance & Enforcement
- District Offices
- Environmental Cleanup Programs
- Events
- Forms
- Major Oil & Gas Formations
- Publications and Notices
- Research and Statistics

Forms

Proposed Form Changes

- Railroad Commission of Texas Online Comment Form for Proposed Form Amendments

Oil & Gas Forms Library

- Oil & Gas Forms In Alphabetical Order
- Oil & Gas Forms Arranged by Purpose of Filing

Computer Generated (non-RRC source) Forms

- Guidelines for Filing Computer-Generated Hardcopy Forms
- Software Vendor Lists for Generating Oil & Gas Forms

Statement by Texas Railroad Commissioner David Porter on New EPA Rule

June 03, 2014

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RRC PRODUCTION STATISTICS AND ALLOWABLES FOR JUNE 2014

Commissioners



Chairman Barry
(512) 463-7144
Barry.Smith@rrc.texas.gov



Commissioner
(512) 463-7131
David.Porter@rrc.texas.gov



Commissioner
(512) 463-7140
Christi.Craddick@rrc.texas.gov

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Forms

Proposed Form Changes

- Railroad Commission of Texas Online Comment Form for Proposed Form Amendments

Oil & Gas Forms Library

- Oil & Gas Forms In Alphabetical Order
- Oil & Gas Forms Arranged by Purpose of Filing

Computer Generated (non-RRC source) Forms

- Guidelines for Filing Computer-Generated Hardcopy Forms
- Software Vendor Lists for Generating Oil & Gas Forms

Commissioners

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RRC PRODUCTION STATISTICS AND ALLOWABLES FOR JUNE 2014

Access to R-1 Data



R-1 forms from January 2014 to 2015
are now available to the public on our
website via RRC Research and
Statistics!

Access to R-1 Data



- Can file an **open records request (ORR)** to obtain a specific set of forms for any given month
- To file an ORR for R-1 forms, e-mail ims@rrc.state.tx.us or call **512-463-6882**
- Readily available is PDF listing of the first page of every R-1 form

Access to R-1 Data online



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Refineries - Monthly Report and Operations Statements

The Monthly Report and Operations Statements for Refineries (Form R-1) are provided in Adobe Acrobat format (PDF format).

2014	2015
December November October September August July June May April March February January	February January



Statements submitted prior to January 2014 are available on microfilm through the agency's [Central Records](#) section.

Last Updated: 4/23/2015 10:47:10 AM

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Monthly Report and Operations Statement for Refineries

Reports for February 2015

The Monthly Report and Operations Statements for Refineries (Form R-1) are provided in Adobe Acrobat format (PDF format).

Facility Number	Operator Name
08-2869	ALON USA LP
04-3522	BTB REFINING LLC
01-0717	CALUMET SHREVEPORT FUELS LLC
04-0161	CITGO REFINING AND CHEMICAL COMPANY LP
06-0111	DELEK REFINING LTD
02-0057	DIAMOND SHAMROCK REFINING COMPANY
10-0026	DIAMOND SHAMROCK REFINING COMPANY
03-0138	EXXON MOBIL CORPORATION
03-0012	EXXON MOBIL CORPORATION
04-3718	FLINT HILLS RESOURCES
03-0006	HOUSTON REFINING LP
01-0763	LAZARUS ENERGY HOLDINGS LLC

Access to R-1 Data online



**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Form R-1
Page 1
(Rev. 1974)

Monthly Report and Operations Statement for Refineries
(Report in Barrels)

Corrected Report

Operator Alon USA, L.P.
Address P.O. Box 517030
Dallas TX 75251-7030
City State Zip Code

Month February
Registration No. 8-2869
Big Spring (Instructions on Reverse Side)
Refinery Name

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AUSTIN TX

Name of Material	Code	Storage Beginning of Month	Receipts	INPUT Runs to Stills and/or Blends	Products Manufactured	Fuel Used	Deliveries	Storage End of Month
Propane	1	703	0	0	6,498	0	6,672	529
Butane	2	1,103	9,602	(11,223)	400	0	0	22,328
Butane-Propane	3			0				
Motor Gasoline	4	150,611	0	0	1,033,240	0	1,024,591	159,260
Kerosene	5	34,112	0	0	(12,304)	0	0	21,808
Home Heating Oil	6							
Diesel Fuel	7	93,474	0	0	691,780	0	665,088	120,166
Other Middle Distillates	8	103,512	0	0	(61,457)		0	42,055
Aviation Gasoline	9							
Kerosene - Type Jet Fuel	10				129,574		129,574	
Naptha - Type Jet Fuel	11							
Fuel Oil #4 For Utility Use	12							
Fuel Oil #5, #6 For Utility Use	13							
Fuel Oil #4 For Utility Use	14							
Fuel Oil #5, #6 For Utility Use	15							
Bunker C	16							
Navy Special	17							
Other Residual Fuels	18							
Petrochemical Feedstocks	19	30,297	0	0	129,233	0	130,373	29,157
Lubricants	20							
Petrochemical Feedstocks	21							
Solvent Products	22							
Miscellaneous	23	310,112	209,581	168,888	210,016		209,596	351,226
Crude Oil	24	273,471	2,678,685	1,956,679	0	0	807,397	188,080
TOTALS: (Barrels)		997,395	2,897,868	2,114,344	2,126,981	0	2,973,292	934,609

CERTIFICATE:

I declare under penalties prescribed in Sec. 91.148, Texas Natural Resources Code, that I am Authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Signature
Date
Telephone No.

James Zerda
03/18/15 Title Refinery Accountant
(972) 367-3836 James Zerda
Area Code Number

Access to R-3 Data



- Currently **hardcopy only**
- Can file an open records request (ORR) to obtain a specific set of forms for any given month
- E-mail digital@rrc.state.tx.us, or call Ernest Oviedo at 512-463-7254.

Access to R-3 Data



- Goal to have R-3 forms available to the public on our website via RRC Research and Statistics
- **Monthly Summary of Natural Gas** is available on the RRC website.

Open Records Request for R-3



- **Complete data dump:**
 - Unformatted
 - R-3 information for the past 26 months
 - monthly subscription fee required
 - need EBCDIC software to format the data
- **Master list of serial numbers:**
 - complete list of all R-3 serial numbers and header information
 - facility name, operator name, field name, county, date established, etc.

Monthly Summary of Natural Gas



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Chairman Christi Craddick



Commissioner David Porter

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Production Data

The links below are compilations and summary of production information as reported to the Commission by Texas operators.

[Historical Production Data](#)

April 30, 2015

Listings of production information back to 1935 [Read More...](#)

[Monthly Crude Oil Production by District and Field](#)

April 30, 2015

[Read More...](#)

[Monthly Oil and Gas Production Ledgers](#)

April 30, 2015

[Read More...](#)

[Monthly Summary of Texas Natural Gas](#)

April 30, 2015

[Read More...](#)

[Offshore Production](#)

April 30, 2015

Data on production occurring in state waters offshore. [Read More...](#)

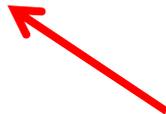
[Oil & Gas Disposition Codes](#)

Additional Information

The links below lead to queryable online databases at the Railroad Commission with information related to production.

[PDQ - Production Data Query](#)

[PR - Production Reports Query](#)



Monthly Summary of Natural Gas



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Monthly Summary of Texas Natural Gas

The monthly summary of Texas natural gas are provided in Adobe Acrobat format (PDF format).

Monthly Summary of Texas Natural Gas - 2014

December 2014	November 2014	October 2014
Septmber 2014	August 2014	July 2014
June 2014	May 2014	April 2014
March 2014	February 2014	January 2014

Monthly Summary of Texas Natural Gas - 2013

2013 Annual Monthly Gas Summary		
December 2013	November 2013	October 2013
September 2013	August 2013	July 2013
June 2013	May 2013	April 2013
March 2013	February 2013	January 2013

Monthly Summary of Texas Natural Gas - 2012

2012 Annual Monthly Gas Summary		
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Monthly Summary of Natural Gas



MONTHLY SUMMARY
OF TEXAS NATURAL GAS
AUGUST 2014



RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

CHRISTI CRADDICKChairman

DAVID PORTER Commissioner

RYAN SITTONCommissioner

LORI WROTENBERY.,
DIRECTOR, OIL AND GAS DIVISION
ISSUED MAY 2015

512-463-6755 An Equal Opportunity Employer (TDD 1-800-735-2989)

FAQs (Form R-1)



Q: Why should refineries continue to file a monthly report if the facility/plant is no longer in operation?

A: The Form R-1 should be filed as long as stock remains on the refinery site. Only **pages 1 & 4** need to be filed to cover stock on hand if the refinery is no longer in operation.

FAQs (Form R-1)



Q: Should material owned by a refinery, but stored off the refinery premises be reported as stock on the Form R-1?

A: Stock stored off premises of a refinery should not be reported on the R-1 form. Crude oil or condensate belonging to a refinery, but stored off refinery premises should be reported on a **T-1 form.**

Operators: **A-L contact (512) 463-6874**

Operators: **M-Z contact (512) 463-6859**

FAQs (Form R-3)



Q: What is meant by “Residue Gas” as in Section III if you are filing a Form R-3 for a Compressor Station?

A: The prompts on the form were based on the applicability of the form to an actual gas plant. However, for a compressor station, the computer that collects the data is expecting the gas that goes through the compressor to be reported as “residue” even though it is not actually being “processed”.

FAQs (Form R-3)



Q: What is meant by “**Extraction Loss**” ?

A: “Extraction Loss” is the shrinkage in volume due to removal of liquefiable hydrocarbons.

FAQs (Form R-3)



Q: What is meant by “**Meter Difference**”?

A: For any two sections which have totals that must be equal, at least one of those sections will have a “meter difference” section to absorb cases in which the totals would otherwise be unequal

FAQs (Form R-3)



Q: Is there a required relationship between section III “Residue Gas” and section V “Liquid Production”?

A: No, not as far as the R-3 form is audited by RRC staff. There does exist a physical relationship. An acceptable estimate is **1 bbl of liquid hydrocarbons** will condense from approximately **1.1 MCF of natural gas**. This conversion may be used by an operator if actual data is lacking.

Example: an “extraction loss” of 6515 MCF reported in section III, would mean the total liquid hydrocarbon production in section V should be about 5923 bbls.

FAQs (Form R-3)



Q: We have a facility that stores and transports compressed natural gas in the liquid state. If the natural gas was not compressed, then it would not be in a liquefied state. Do we still have to file an R-3?

A: Yes. The **TX Natural Resources Code section 85.060** requires an operator who produces, stores, transports, refines, reclaims, treats, markets, or processes oil, gas, or oil and gas products, to file a report. For documenting disposition, it should be reported as liquid in section V of the R-3.

FAQs (Form R-3)



Q: What is the difference between the R-3 form and the **PR form**?

A: The R-3 form is filed to report liquid hydrocarbons produced from natural gas after the gas has left the lease, while the PR form is to report liquid hydrocarbons produced on the lease.

FAQs (Form R-3)



Q: When should an operator file an R-3 form versus a **T-1 form** to report liquid hydrocarbons?

A: The purpose of the R-3 form is to keep an accounting of liquid hydrocarbons produced or condensed from natural gas at a plant/facility. The T-1 form is filed to report the handling and **transportation of liquid hydrocarbons.**

FAQs (Form R-3)



Q: Is R-3 facility location data available to the public?

A: No. When an operator requests an R-3 serial number for a new facility, the operator is requested to give the latitude/longitude coordinates of the facility. At present we do collect this data, but staff is not cleared to distribute the map layer where this data is compiled.

Oil Refinery and Natural Gas Plant Reports



•Oil and Gas Division

•District Offices:

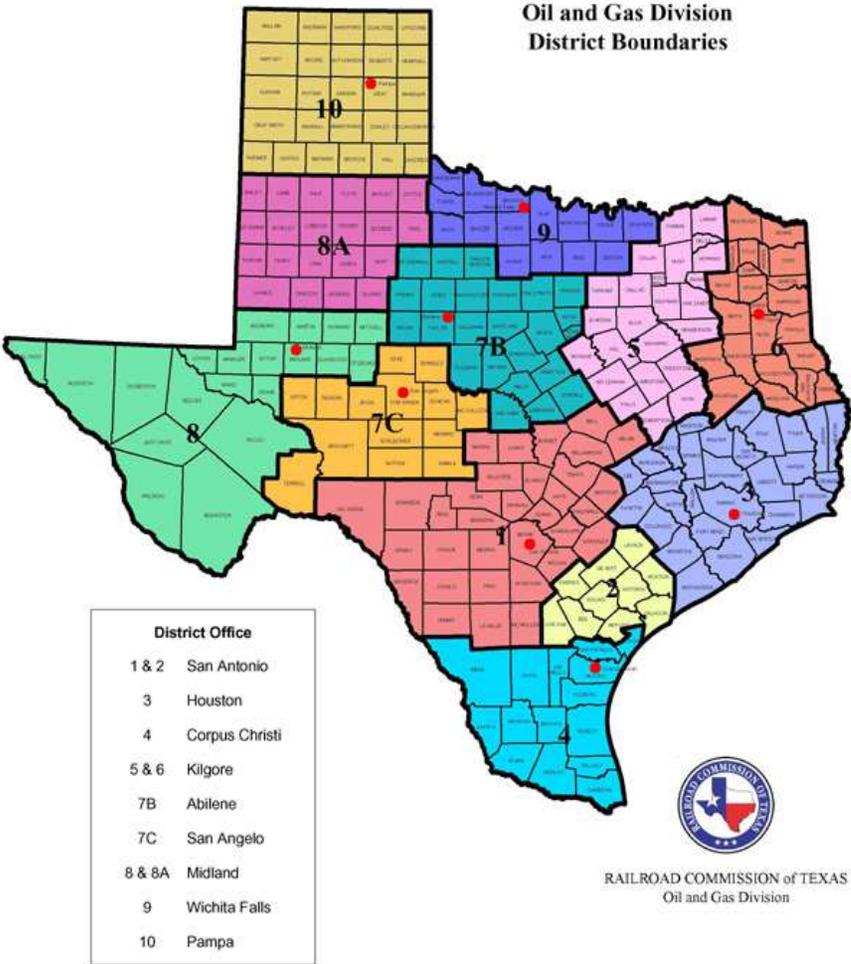
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- Corpus Christi
- Houston
- Kilgore
- Midland
- Pampa
- San Angelo
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•Pipeline Safety

•Regional Offices:

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- Corpus Christi
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- Midland
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RRC District Offices



Gas Plants & Refineries

Applications and Reporting Process

Contact Information: R-1/R-3 Forms

Janice Scales	(512) 463-7154	<u>Janice.Scales@rrc.texas.gov</u>
Karen Cassidy Technical	(512) 463-6209	<u>Karen.Cassidy@rrc.texas.gov</u>
Rick Behal Technical	(512) 473-6473	<u>Richard.Behal@rrc.texas.gov</u>
Engineering Unit	(512) 463-1126	<u>EngUnit@rrc.texas.gov</u>