

# How to Submit Gas Online Completions

Form G-1

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# Class Synopsis

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This presentation is a general overview of how to file Gas Well Completion Reports (G-1) utilizing the Railroad Commission of Texas Online Completion Filing System. By the end of this presentation you will understand how to properly file online completions for gas wells drilled in the State of Texas. During this presentation we will also review common problems that delay the processing and final approval of these filings.

# Navigating to the Online System



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- our concern for personal and community safety; and
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# Log In



**RRC ONLINE SYSTEM** Choose an Application

## Log In

Log in to access the RRC Online System.

UserID:  Required

Password:   [Forgot Password?](#) OR [Forgot User ID?](#)

The RRC Online System allows authorized entities to electronically file certain forms with the Railroad Commission online or through EDI. Forms processed through this system are ones containing data that has been migrated from the Commission's mainframe to an open system environment. Through the RRC Online System, forms can be filed online over the Internet using a web browser, or data files can be uploaded through the application.

### How to Obtain a User ID:

To utilize the Online Filing system, you must have a User ID that is assigned to you by your company's designated Security Administrator. A company or individual may designate a Security Administrator by completing the Security Administrator Designation (SAD) form and mailing it to the RRC. When the SAD form is processed, the Security Administrator will receive a User ID and a temporary initial password. The Security Administrator will be able to log into the RRC Online System using their assigned User ID and create User IDs for users within their company. They will also be able to assign certain electronic filing rights for those accounts, and perform account maintenance activities (such as resetting passwords) when needed.

If you are uncertain whether your company has a security administrator, please email the Commission at [rronline-security@rrc.state.tx.us](mailto:rronline-security@rrc.state.tx.us).

1. [Read](#) the requirements for participating in online filing.
2. [Print](#) the SAD form.
3. Complete and sign the form then mail it to the RRC, following instructions on Page 2 of the form. When the form is processed, the designated security administrator will receive a User ID and temporary password by email.
4. The security administrator will log into the system and assign User IDs and filing rights.

Enter your UserID & Password. If you have forgotten either use the Forgot Password? & Forgot User ID options to have instructions emailed to you.

# Online Applications



**RRC ONLINE SYSTEM** Choose an Application

[Home](#) [General Help](#) [About](#)

Welcome to the RRC Online System

Main Application
<ul style="list-style-type: none"><li><a href="#">Account Administration</a></li><li><a href="#">Production Reports</a></li><li><a href="#">Drilling Permits (W-1)</a></li><li><a href="#">Completions</a></li><li><a href="#">P-4 Change of Gatherer/Purchaser</a></li><li><a href="#">Well Status Report (G10/W10)</a></li></ul>
Internal Applications
<ul style="list-style-type: none"><li><a href="#">Remittance Mgmt System</a></li></ul>

Important Messages  
& Upcoming Events  
will appear here.

New password rules are now in effect for Internal RRC users:

Passwords will expire after 90 days.  
Three grace logins are allowed after password expiration.  
After a password is changed, it may not be changed again for 24 hours.  
A message will display above when your password is about to expire.

New passwords must meet the following requirements:

- 1) Have a minimum length of 8 characters.
- 2) Have at least one upper or lower case letter AND  
Have at least one numeric (0-9) OR special character (For example: !, \$, #, %)

# Completion Application



**RRC ONLINE SYSTEM** Choose an Application Go Log Out

**Oil & Gas Completions**

[Completions Home](#) [Completions Menu](#) [P8 Menu](#) [Internal Menu](#) [Help](#)

## Well Completions

<b>Completions Package</b>
<a href="#">Filing Completion Package</a>
<a href="#">Completions Query</a>
<b>P-8</b>
<a href="#">Filing P-8</a>
<b>Directional Survey</b>
<a href="#">Directional Survey Query</a>
<b>Internal</b>
<a href="#">Hard Copy Packet Edit</a>
<a href="#">Internal Workflow</a>

### On-Line Completions - Posted July 1, 2014

Effective January 1, 2014, changes to filing requirements for completions have updated to reflect revisions to Oil & Gas Statewide Rule 13 related to Casing, Cementing, Drilling, Well Control, and Completion Requirements. For further information on the changes to Rule 13, please see <http://www.rrc.state.tx.us/environmental/rule13/index.php>.

The online Well Completions application was updated to reflect these changes on January 27, 2014. The additional requirements apply to wells spudded on or after January 1, 2014. For those wells, filers will be guided to provide information needed to comply with the amended Rule 13 requirements.

NOTE: The Commission has also adopted revisions to Forms G-1 and W-2 to conform with the Rule 13 changes; the revised forms are available through the Commission's website at <http://www.rrc.state.tx.us/forms/forms/og/alpha.php>. The G-1 and W-2 PDF images generated by this system will be updated to reflect those changes in the near future.

Please review the help section prior to contacting RRC staff. Questions can be e-mailed to [prorationunit@rrc.state.tx.us](mailto:prorationunit@rrc.state.tx.us)

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Important Messages  
& Upcoming Events  
will appear here.

# Select Filing Operator



**RC ONLINE SYSTEM** Choose an Application Go Log Out

**Oil & Gas Completions**

Completions Home Completions Menu P8 Menu Internal Menu Help

### Select Filing Operator

Filing operator: Undefined

**Search by Operator Number**

Operator Number: 000004 Search

**Search by Operator Name**

Beginning with these characters  
 Containing these characters  
 Matching these characters exactly

Operator Name: Search

**Search Results**

000004 - RAILROAD COMMISSION DISTRICT 04

Set Filing Operator

If you are filing as a Consultant/Agent you will need to enter the appropriate Operator information here. If you are filing as an Operator then the online system will automatically select your operator number.

# Completion Filing Options



**RRC ONLINE SYSTEM** Choose an Application Go Log Out

**Oil & Gas Completions**

[Completions Home](#) [Completions Menu](#) [PB Menu](#) [Internal Menu](#) [Help](#)

**Well Completions**  
**Filing Operator: RAILROAD COMMISSION DISTRICT 04 (000004)**

**Filing Completion Package**

[File a New Completion Packet](#)

[Update Existing Completion Packet](#)

[Select Filing Operator](#)

**My Messages** [Operator Messages](#) [Recent Notifications](#)

No Messages

# Completion Online Messages



**RC ONLINE SYSTEM** Choose an Application Go Log Out

**Oil & Gas Completions**

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**Well Completions**  
**Filing Operator: RAILROAD COMMISSION DISTRICT 04 (000004)**

**Filing Completion Package**

[File a New Completion Packet](#)  
[Update Existing Completion Packet](#)  
[Select Filing Operator](#)

**My Messages** [Operator Messages](#) [Recent Notifications](#)

No Messages

# Filing A New Completion



**RC ONLINE SYSTEM** Choose an Application Go Log Out

**Oil & Gas Completions**

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### Well Completion Package

Filing Operator: RAILROAD COMMISSION DISTRICT 04 (000004)

To create a new Completion Package enter a Drilling Permit number or an American Petroleum Institute (API) Number. This number will be used to list all the Drilling Permits associated with the data entered.

Drilling Permit No.:  Or API No.:

Filing Operator's Packets that have the status of **Work In Progress** or **Pending Operator Update**.  
If you wish to update any of the Packets listed below, click on the Completions Menu tab and select the **Update Existing Completion Packets** menu option.

0 results Page: 1 of 1 Page Size: View All

Tracking No.	Drilling Permit No.	API No.	District	Well Type	Completion Type	Well No.	Packet Status
--------------	---------------------	---------	----------	-----------	-----------------	----------	---------------

To begin filing a completion, please enter a drilling permit (preferably) or API number and search.

# Select the Field



**RRC ONLINE SYSTEM** Choose an Application  Go Log Out

**Oil & Gas Completions**

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## Wells Found

Filing Operator: RAILROAD COMMISSION DISTRICT 04 (000004)

If the Well you wish to use for this Completion Packet is listed below, click the New Packet button and enter your information. If the Well is not listed, select the Return To Search button to apply a different search criteria.

[Return To Search](#)

1 results

Page: 1 of 1

Page Size:

<a href="#">Drilling Permit/Issued</a>	<a href="#">API No.</a>	<a href="#">Lease Name</a>	<a href="#">Field Name</a>	<a href="#">District</a>	<a href="#">Lease No./Gas ID</a>	<a href="#">Well No.</a>	<a href="#">New Packet</a>
734957 / 03-12-2012	29735114	GENTRY 01	SUGARKANE (EAGLE FORD)	02	267412	01H	<a href="#">New Packet</a>

[Return To Search](#)

Select the field in which the well was completed. If the well is downhole commingled, please select the field for the reporting wellbore on your approved SWR 10 letter.

# Packet Summary Data



**RRC ONLINE SYSTEM** Choose an Application Go Log Out

**Oil & Gas Completions**

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**Filing Operator: RAILROAD COMMISSION DISTRICT 04 (000004)**

Packet Summary Data		Submitted: Online
Tracking No.:		Status: <b>Work in Progress (unknown)</b>
Operator Name: RAILROAD COMMISSION DISTRICT 04 (000004)		
Field Name: SUGARKANE (EAGLE FORD)	Completion or Recompletion Date:	
Lease Name: GENTRY 01	Purpose Of Filing:	
RRC District No.: 02		
RRC Gas ID or Oil Lease No.: 267412	County: LIVE OAK	
Well No.: 01H	Drilling Permit No: 734957	
API No.: 297-35114	Wellbore Profile: HORIZONTAL	

**The current Filing Operator (000004) does not match the Operator (665748) on the Drilling Permit. You may choose to return to the Search Results to initiate a new search. You may choose to change the current Filing Operator or you may proceed and create a Completion Packet for this Drilling Permit. Please press one of the buttons below.**

[Return To Results](#) [Change Filing Operator](#) [New Packet](#)

<b>Step 1</b> - Packet Data
<b>Step 2</b> - Completion Data
<b>Step 3</b> - Complete Additional Forms
<b>Step 4</b> - Load Attachments
<b>Step 5</b> - Submit

# Completion Packet Description



**RRC ONLINE SYSTEM** Choose an Application

**Oil & Gas Completions**

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## Packet Data

Filing Operator: **RAILROAD COMMISSION DISTRICT 04 (000004)**

Packet Summary Data	Submitted: Online	Step 1 - Packet Data
Tracking No.:	Status: <b>Work in Progress (unknown)</b>	Step 2 - Completion Data
Operator Name: <b>RAILROAD COMMISSION DISTRICT 04 (000004)</b>	Completion or Recompletion Date:	Step 3 - Complete Additional Forms
Field Name: <b>SUGARKANE (EAGLE FORD)</b>	Purpose Of Filing:	Step 4 - Load Attachments
Lease Name: <b>GENTRY 01</b>	County: <b>LIVE OAK</b>	Step 5 - Submit
RRC District No.: <b>02</b>	Drilling Permit No: <b>734957</b>	
RRC Gas ID or Oil Lease No.: <b>267412</b>	Wellbore Profile: <b>HORIZONTAL</b>	
Well No.: <b>01H</b>		
API No.: <b>297-35114</b>		

Initial Packet Description	
Purpose Of Filing: <input type="text" value="Initial Potential"/>	 <div style="border: 2px solid red; padding: 5px; display: inline-block;"><b>Required Information</b></div>
Type Of Completion: <input type="text" value="New Well"/>	
Well Type: <input type="text" value="Producing"/>	
Wellbore Profile: <input type="text" value="HORIZONTAL"/>	
Type of Completion Packet: <input type="text" value="Gas / G-1"/>	
Horizontal Wellbore Profile Type: <input type="text" value="-Select One-"/>	

# Packet Description Options



Purpose Of Filing
Initial Potential
Retest
Reclass Oil to Gas
Reclass Gas to Oil
Reclass Injection to Producing
Reclass Producing to Injection
Well Record Only

Horizontal Wellbore Profile Type:
Stacked Lateral

Type of Completion
New Well
Deepening
Plug Back
Sidetrack
Re-entry
Other/Recompletion

Type of Completion Packet
Gas / G-1
Oil / W-2

Well Type
Producing
Shut-In Producer
Active UIC
Shut-In UIC

Wellbore Profile
Horizontal
Directional
Vertical
Sidetrack

# Packet Summary Data and Well Data



**RR ONLINE SYSTEM** Choose an Application  Go

**Oil & Gas Completions**

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**Packet Data** [G-1](#) [Complete Additional Forms](#) [Load Attachments](#) [Messages](#) [Submit](#)

**Packet Data Gas / G-1**

Packet Summary Data	Submitted: Online
Tracking No.: <b>230571</b>	Status: <b>Work in Progress</b>
Operator Name: <b>RAILROAD COMMISSION DISTRICT 04 (000004)</b>	Type Of Completion: <b>New Well</b>
Field Name: <b>SUGARKANE (EAGLE FORD)</b>	Completion or Recompletion Date:
Lease Name: <b>GENTRY 01</b>	Purpose Of Filing: <b>Initial Potential</b>
RRC District No.: <b>02</b>	Well Type: <b>Producing</b>
RRC Gas ID or Oil Lease No.: <b>267412</b>	County: <b>LIVE OAK</b>
Well No.: <b>01H</b>	Drilling Permit No: <b>734957</b>
API No.: <b>297-35114</b>	Wellbore Profile: <b>HORIZONTAL</b>
	Field No.: <b>86950600</b>

[Change Packet Description](#)

Please fill out the necessary packet data below. Use the Save button to save updates at any time. At this point a Packet has been created and a number assigned. The Packet Tracking Number is displayed in the Packet Summary Data above. The Tracking number will be used to track your packet. Please record this information for future references. When the Save button is pressed, the packet will be saved but not submitted for processing. Submitting the Packet for processing is done after all the required data, forms and attachments have been entered for this packet.

**Step 1 - Packet Data**

**Step 2 - G-1 Data**

**Step 3 - Complete Additional Forms**

**Step 4 - Load Attachments**

**Step 5 - Submit**

# Packet Summary Data and Well Data



**Well Data**

Field Name: SUGARKANE (EAGLE FORD) Well No.: 01H  
 Lease Name: GENTRY 01 Well Latitude:   
 County of Well Site: LIVE OAK Well Longitude:   
 RRC District No.: 02 Lat/Long Type: -Select One-  
 RRC Gas ID or Oil Lease No.: 267412  Lat/Long Other:

This well is located: 5.6 miles in a: NW direction from: SAN ANGELO, which is the nearest town in the county.

Date of first production after rig released: 09/15/2014 MM/DD/YYYY - If the well is not completed, use the date the rig was released.  
 Spud Date: 08/01/2014 MM/DD/YYYY

Type of Electric or other Log Run: Gamma Ray (MWD)  
 Electric Log Other Description:   
 Former Operator name if operator has changed within the last 60 days:

Drill, Plug Back, or Deepen Permit No.: 734957  Date: 03/12/2012  
 Rule 37 Case No.:  Date:  MM/DD/YYYY  
 Fluid Injection Permit No.: F-  Date:  MM/DD/YYYY  
 O&G Waste Disposal Permit No.:  Date:  MM/DD/YYYY  
 Other Permit No.:  Date:  MM/DD/YYYY  
 Other Description:

Location/Survey: CAMPBELL, N R Survey Block:   
 Survey Section: 4 Survey Abstract: 1049

Use the Search button to auto populate data in the Recompletion/Reclass table.

**If recompletion or reclass, give former field (with reservoir) & gas ID or oil lease No.:**

Row	Field & Reservoir	Lease No.	Well Type	Well No.	District Code	Field No.	Prior Service Type	
1	<input type="text"/>	<input type="text"/>	-Select One-	<input type="text"/>	<input type="text"/>	<input type="text"/>	-Select One-	<input type="button" value="Clear"/>
2	<input type="text"/>	<input type="text"/>	-Select One-	<input type="text"/>	<input type="text"/>	<input type="text"/>	-Select One-	<input type="button" value="Clear"/>

# Packet Summary Data - Final



**RRC ONLINE SYSTEM** Choose an Application

**Oil & Gas Completions**

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- (Cmpl\_1662) New Formation Records created on Completion page 5 per State Wide Rule 13. ←
- (Cmpl\_1191) The current page has been saved. ←

**Packet Data** [G-1](#) [Complete Additional Forms](#) [Load Attachments](#) [Messages](#) [Submit](#)

## Packet Data Gas / G-1

Packet Summary Data	Submitted: Online
Tracking No.: <b>230571</b>	Status: <b>Work in Progress</b>
Operator Name: <b>RAILROAD COMMISSION DISTRICT 04 (000004)</b>	Type Of Completion: <b>New Well</b>
Field Name: <b>SUGARKANE (EAGLE FORD)</b>	Completion or Recompletion Date: <b>09/15/2014</b>
Lease Name: <b>GENTRY 01</b>	Purpose Of Filing: <b>Initial Potential</b>
RRC District No.: <b>02</b>	Well Type: <b>Producing</b>
RRC Gas ID or Oil Lease No.: <b>267412</b>	County: <b>LIVE OAK</b>
Well No.: <b>01H</b>	Drilling Permit No: <b>734957</b>
API No.: <b>297-35114</b>	Wellbore Profile: <b>HORIZONTAL</b>
	Field No.: <b>86950600</b>

<b>Step 1 - Packet Data</b>
<b>Step 2 - G-1 Data</b>
<b>Step 3 - Complete Additional Forms</b>
<b>Step 4 - Load Attachments</b>
<b>Step 5 - Submit</b>

[Change Packet Description](#)

Please fill out the necessary packet data below. Use the Save button to save updates at any time. At this point a Packet has been created and a number assigned. The Packet Tracking Number is displayed in the Packet Summary Data above. The Tracking number will be used to track your packet. Please record this information for future references. When the Save button is pressed, the packet will be saved but not submitted for processing. Submitting the Packet for processing is done after all the required data, forms and attachments have been entered for this packet.

# Form G-1 (Page 1)



**RC ONLINE SYSTEM** Choose an Application Go Log Out

**Oil & Gas Completions**

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Packet Data **G-1** Complete Additional Forms Load Attachments Messages Submit

## G-1 Gas Well Back Pressure Test, Completion or Recompletion Report, and Log

### Packet Summary Data

Tracking No.: 230571  
Operator Name: RAILROAD COMMISSION DISTRICT 04 (000004)  
Field Name: SUGARKANE (EAGLE FORD)  
Lease Name: GENTRY 01  
RRC District No.: 02  
RRC Gas ID or Oil Lease No.: 267412  
Well No.: 01H  
API No.: 297-35114

**Submitted: Online**  
Status: **Work in Progress**  
Type Of Completion: **New Well**  
Completion or Recompletion Date: **09/15/2014**  
Purpose Of Filing: **Initial Potential**  
Well Type: **Producing**  
County: **LIVE OAK**  
Drilling Permit No: **734957**  
Wellbore Profile: **HORIZONTAL**  
Field No.: **86950600**

Step 1 - Packet Data
Step 2 - G-1 Data
Step 3 - Complete Additional Forms
Step 4 - Load Attachments
Step 5 - Submit

Refresh Page 1 2 3 4 5 6 Save Edit

### Test Data

Date of Test: 09/18/2014 MM/DD/YYYY

Gas Measurement Method:

- Orifice Meter
- Flange Taps
- Positive Choke
- Orifice Vent Meter
- Pipe Taps
- Pitot Tube
- Critical-flow Prover
- Mass Flow Meter
- Other

Gas Produced during Test: 13170 MCF

If you are providing data for a single run on form G-1, this is a one point test, thus a 72 hour test. Please note how the Date of Test is 3 days or 72 hours AFTER the completion date. In Gas a single run or one point test is 72 hours and the completion date and test date should be at minimum three days apart for a one point test.

# Form G-1 (Page 1 continued)



The data provided here is for a one point test which is a 72 hour test. Again, the volume MCF/day (last column in Gas Measurement Data) should be multiplied roughly three times and this value should be the Gas Produced during Test. Each field in the Gas Measurement Data line should be completely filled out.

Gas Measurement Data											
Run No.	Line Size	Orif. or Choke Size	24Hr. Coeff. Orif. or Choke	Static Pm or Choke Press.	Diff hw	Flow Temp. deg. F.	Temp. Factor Ftf	Grav. Factor Fg	Comp. Factor Fpv	Volume MCF/DAY	
1	3.068	1.500	14735.00	703.0	147.3	104.0	0.9602	0.9054	1.065	4390.0	Clear
2											Clear
3											Clear
4											Clear

Add Additional Run

Remarks:

---

Field Data and Pressure Calculations					
Dry Gas Well: <input checked="" type="radio"/> No <input type="radio"/> Yes Gravity (Dry Gas): <input type="text" value="0.732"/> Gravity Liquid Hydrocarbon: <input type="text" value="63.0"/> Deg. API Gas-Liquid Hydro Ratio: <input type="text" value="14661"/> CF/Bbl Gravity of Mixture (Gmix): <input type="text" value="0.0892"/> Avg. Shut-in Temp: <input type="text" value="177.0"/> °F Bottom hole Temp.: <input type="text" value="305.00"/> °F Bottom hole Depth.: <input type="text" value="12288"/> ft.		Was the well preflowed for 48 hours: <input checked="" type="radio"/> No <input type="radio"/> Yes			
Run No.	Time of Run Min.	Choke Size	Wellhead Press. Pw PSIA	Wellhead Flow Temp. deg. F.	
SHUT-IN	1440		7165	50.0	Clear
1	4320	14/64	5353	138.0	Clear
2					Clear
3					Clear

Add Additional Run

Refresh Page 1

The Field Data and Pressure Calculations time of run should equal 72 hours in minutes for a one point or 72 hour test.

# Form G-1 (Page 2)



Refresh 1 Page 2 3 4 5 6 Save Edit

**Data on Well Completion and Log I**

Number of Producing Wells on this lease in this field  
(reservoir) including this well: 2

Total number of acres on this lease: 703.62

Date Plug Back, Deepening, Recompletion, or Drilling Operations  
Commenced: 08/01/2014 MM/DD/YYYY Ended: 09/15/2014 MM/DD/YYYY

Location of well, relative to nearest lease boundaries  
of lease on which this well is located: 275 Feet from the South Line and  
1873 Feet from the West Line of the  
GENTRY 01 Lease.

Distance to nearest well in this lease & reservoir: 306 feet  
Elevation: 343 feet Elevation Code: GL

Total Vertical Depth: 11550 feet Measured Depth: 21000 feet  
Plug Back Depth - TVD: feet Plug Back Depth - MD: feet

Refresh 1 Page 2 3 4 5 6 Save Edit

The lease acreage, lease line distance values and call directions, Total Vertical depth and Measured Depth will all be reviewed against the drilling permit. Any changes from the time of permitting should be referenced on page 5 in the remarks section. Please note some changes may require a drilling permit amendment.

# Form G-1 (Page 3) – District



**Data on Well Completion and Log II**

GAU Groundwater Protection Determination Depth:

GAU Groundwater Protection Determination Date:  MM/DD/YYYY

For new drill or re-entry, surface casing depth determined by:

GAU Groundwater Protection Determination  
 SWR 13 Exception

Depth:

Was directional survey made other than Inclination(Form W-12)?:  No  Yes

Rotation Time Within Surface Casing:  (Hours)

Is Cementing Affidavit Attached?:  No  Yes

Is Well multiple completion?:  No  Yes

The data listed here should correspond with the attached GAU letter.

If this value is greater than 180 hours the district office must be contacted.

**If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.:**

Row	Field & Reservoir	Lease Number	Well Type	Well No.	
1	<input type="text"/>	<input type="text"/>	-Select One- ▼	<input type="text"/>	Clear
2	<input type="text"/>	<input type="text"/>	-Select One- ▼	<input type="text"/>	Clear
3	<input type="text"/>	<input type="text"/>	-Select One- ▼	<input type="text"/>	Clear

# Form G-1 (Page 4) – District



The operator is responsible for ensuring that the slurry volume, cement sacks, and casing information entered on this form matches the information reported on the corresponding Form W-15.

**Casing Record**

Row	Type of Casing	Hole Size (inches & fractions)	Casing Size - O.D. (inches & fractions)	Setting Depth (ft.)	Multi-Stage Tool Depth (ft.)	Multi-Stage Shoe Depth (ft.)	Cement Class	Cement Amount(sacks)	Slurry Volume (cu. ft.)	Top of Cement	Top of Cement Determined By	
1	-Select One-	17 1/2	13 3/8	8309			A, H	2597	4744.0	SURFACE	-Select One-	Clear
2	-Select One-	12 1/4	9 5/8	8594			H	731	817.0	8594	-Select One-	Clear
3	-Select One-	8 1/2	4 1/2	12989			H	190	289.2	11720	-Select One-	Clear

Add Row

RRC GAU recommended base of usable quality groundwater (BUQW):  feet

Was cement circulated to ground surface (or bottom of cellar) outside SURFACE CASING?:  No  Yes

Remarks:

**Liner Record**

Row	Liner Size (inches & fractions)	Hole Size (inches & fractions)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement	Top of Cement Determined By	
1	7 5/8		8279	11483		385			-Select One-	Clear
2									-Select One-	Clear
3									-Select One-	Clear

Add Row

Required if Liner is set

**Tubing Record**

Row	Tubing Size (inches & fractions)	Depth Set (ft.)	Packer Depth (ft.)	Packer Type	
1					Clear
2					Clear
3					Clear

Add Row

Does this well currently have tubing set?:  No  Yes

If NO, Explain in Remarks.

Remarks:

# Form G-1 (Page 5)



## Producing/Injection/Disposal Interval (this completion) Indicate depth of perforation on open hole

**Note:** From and To are for Measured Depth for Horizontals.

Is this an unperforated cased-hole completion?:  No  Yes

Row	From (feet)	To (feet)	Bottom Hole Label	Lateral Label	Open Hole	
1	12355	17490	-Select One- ▼	Lateral 1 ▼	<input type="checkbox"/>	Clear
2			-Select One- ▼	-Select One- ▼	<input type="checkbox"/>	Clear
3			-Select One- ▼	-Select One- ▼	<input type="checkbox"/>	Clear

Add Row

Remarks:

This is where you are producing from. This number must accurate as it allows us to ensure you are within the correlative interval of the field. This will avoid a SWR 10 violation.

## ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUGS, RETAINER, ETC.

Depth Interval	From (feet)	To (feet)	Amount and Kind of Material Used	Process	
1	12355	17490	821,120 # 40/70 White Sand + 2,473,840 #20/40 White Sand & 73,008 BBLS Clean Fluids	Fracture ▼	Clear
2				-Select One- ▼	Clear
3				-Select One- ▼	Clear

Add Row

Remarks:

All work performed to the well including Cast Iron Bridge Plugs, Cement Squeezes, Fracturing etc., should be listed here. The work should include beginning and ending depths.

# Form G-1 (Page 5 continued)



**FORMATION RECORD ( List depths of Principal Geological Markers and Formation Tops, including, but not limited to, all permitted Disposal/Injection formations within ¼ mile of the wellbore, Productive Zones, Potential Flow Zones, and Corrosive Formation Fluid Zones. )**

Row	Principle Markers and Formation Tops	Encountered	Depth - TVD (feet)	Depth - MD (feet)	Isolated	Remarks	
1	FRIO - DISPOSAL	<input type="checkbox"/>			<input type="checkbox"/>	Too Shallow	Clear
2	HOCKLEY - DISPOSAL	<input type="checkbox"/>			<input type="checkbox"/>	Too Shallow	Clear
3	JACKSON-YEGUA - DISPOSAL	<input type="checkbox"/>			<input type="checkbox"/>	Too Shallow	Clear
4	COOK MOUNTAIN	<input type="checkbox"/>			<input type="checkbox"/>	Too Shallow	Clear
5	QUEEN CITY	<input type="checkbox"/>			<input type="checkbox"/>	Too Shallow	Clear
6	WILCOX	<input checked="" type="checkbox"/>	6448	64580	<input checked="" type="checkbox"/>		Clear
7	AUSTIN CHALK	<input checked="" type="checkbox"/>	11820	11884	<input checked="" type="checkbox"/>		Clear
8	EAGLE FORD - H2S	<input checked="" type="checkbox"/>	11913	12355	<input checked="" type="checkbox"/>		Clear
9	EDWARDS - H2S	<input type="checkbox"/>			<input type="checkbox"/>	Too Deep	Clear
10	SLIGO - H2S	<input type="checkbox"/>			<input type="checkbox"/>	Too Deep	Clear

Add Row

**Data on Well Completion and Log I**

Pipeline Connection:

Any condensate on hand at time of workover or recompletion?:  No  Yes

Remarks:

\* When to mark "encountered" in the formation record section?  
 The "encountered" checkbox must be marked if the formation/zone was penetrated by this wellbore.  
 If "encountered" is marked, the operator must enter a depth.  
 If the formation/zone was penetrated but not logged, the operator is expected to give a reasonable estimate based on existing available information. Please specify in remarks if the depth is an estimate.  
 If "encountered" is not marked, the operator must explain in remarks as to why the formation/zone was not encountered (e.g. pinched-out, well is not deep enough, etc.).

\* When to mark "isolated" in the formation record section?  
 "Isolated" means that the formation/zone has been isolated by cemented casing pursuant to Statewide Rule 13(a)(4)(C), (b)(2)(A), and (b)(3)(B).  
 If the formation/zone was encountered by the wellbore, the operator must indicate whether that formation/zone was isolated by cemented casing pursuant to these requirements of Statewide Rule 13.  
 If the formation/zone is part of the completion interval, and is adequately confined by cemented casing, do mark isolated.  
 If the formation/zone was not encountered, the "isolated" checkbox will not be applicable.  
 If the formation/zone was encountered but is not isolated by cemented casing, do not mark isolated. In this case, the operator must explain in remarks as to why the formation/zone was not isolated.

Refresh 1 2 3 4 Page 5 6 Save Edit

Any abnormalities should be listed here including increase or decrease in acreage, pooling of units, name changes, lease line distance changes, etc.,

# Form G-1 (Page 6)



**Hydraulic Fracturing**

Pursuant to Statewide Rule 29 and Natural Resources Code Section 91.851, certain information regarding chemicals used in hydraulic fracturing treatments must be reported to a centralized national database known as FracFocus (<http://www.fracfocus.org>). The required information must be uploaded to the FracFocus registry not later than 15 days after the final stage of the hydraulic fracturing treatment is completed.

**If you have performed a hydraulic fracturing treatment but have not yet reported it to the FracFocus registry, you may proceed with filing your completion reports but an allowable may not be assigned for your well until the required information has been reported. This may also result in denial of any P-8 requests to move oil prior to processing of your completion reports.**

Information on how to submit your report to FracFocus (including a link to an instructional webinar) may be found on the FracFocus website at <http://www.fracfocus.org>. For more information, please see Statewide Rule 29.

Was Hydraulic Fracturing treatment performed?:  No  Yes

Has the Hydraulic Fracturing Fluid Disclosure been reported to FracFocus Disclosure Registry (SWR 29)?:  No  Yes

Is well equipped with a downhole actuation sleeve? (if yes, provide actuation pressure (PSIG)):  No  Yes

Actuation Pressure (PSIG):

Production casing test performance (PSIG) prior to hydraulic fracturing treatment: 10000

Actual maximum pressure (PSIG) during hydraulic fracturing: 10017

Do the producing intervals of this well produce H2S with a concentration in excess of 100 ppm? (SWR 36):  No  Yes

Is this completion being down-holed commingled (SWR 10)?:  No  Yes

Is this lease part of a pooled unit?:  No  Yes

**\* If the approval SWR 10 is pending, place a remark on page 5 indicating the submitted date of the SWR 10 application.**

**OPERATOR'S CERTIFICATION**

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

I Accept:  No  Yes

Refresh 1 2 3 4 5 Page 6 Edit Certify

If this question is marked "yes" then you should be reporting to FracFocus.

If this question is marked "No" and there were no remarks indicating otherwise the well may be process incorrectly and the permit will be closed out.

If this question is marked "yes" then a P-12 & lease plat are required.

# Complete Additional Forms



Packet Data | G-1 Complete Additional Forms | Load Attachments | Messages | Submit

### Add Additional Forms

<b>Packet Summary Data</b>		<b>Submitted: Online</b>	
Tracking No.: 132730	Operator Name: RAILROAD COMMISSION DISTRICT 04 (000004)	Status: <b>Work in Progress</b>	Type Of Completion: <b>New Well</b>
Field Name: SUGARKANE (EAGLE FORD)	Lease Name: GENTRY 01	Completion or Recompletion Date:	Purpose Of Filing: <b>Initial Potential</b>
RRC District No.: 02	RRC Gas ID or Oil Lease No.: 267412	Well Type: <b>Producing</b>	County: <b>LIVE OAK</b>
Well No.: 01H	API No.: 297-35114	Drilling Permit No: 734957	Wellbore Profile: <b>HORIZONTAL</b>
		Field No.: 86950600	

**Step 1** - Packet Data

**Step 2** - G-1 Data

**Step 3** - Complete Additional Forms

**Step 4** - Load Attachments

**Step 5** - Submit

Some required forms may be optional based on previous filings for this wellbore.

Additional Forms		
Work in Progress	Required	<a href="#">Completion Packet data</a>
Work in Progress	Required	<a href="#">G-1 Gas Well Back Pressure Test Completion or Recompletion Report and Log</a>
None Created	Required	<a href="#">G-5 Gas Well Classification Report</a>
None Created	Required	<a href="#">G-10 Gas Well Status Report</a>
None Created	Optional	<a href="#">L-1 Electric Log Status Report</a>
None Created	Optional	<a href="#">P-4 Certificate of Compliance and Transportation Authority</a>
None Created	Optional	<a href="#">P-15 Statement of Productivity of Acreage</a>
None Created	Optional	<a href="#">W-12 Inclination Report</a>

Attachments		
None Attached	Optional	<a href="#">P-12 Certificate of Pooling Authority</a>
None Attached	Optional	<a href="#">W-15 Cementing Report</a>
None Attached	Optional	<a href="#">Plat/Survey</a>
None Attached	Optional	<a href="#">W-4 Application for Multiple Completion</a>
None Attached	Optional	<a href="#">W-4A Sketch of Multiple Completion</a>
None Attached	Optional	<a href="#">L-1 Electric Log Header</a>
None Attached	Optional	<a href="#">Groundwater Advisory Unit Letter</a>
None Attached	Optional	<a href="#">W-5 Packer Setting Report</a>
None Attached	Optional	<a href="#">W-6 Communication/Packer Leakage Test</a>
None Attached	Optional	<a href="#">W-7 Bottom-hole Pressure Report</a>
None Attached	Optional	<a href="#">W-12 Record of Inclination</a>
None Attached	Optional	<a href="#">Circular Graph</a>
None Attached	Optional	<a href="#">Wellbore Schematic</a>
None Attached	Optional	<a href="#">Proration Acreage List</a>
None Attached	Optional	<a href="#">SWR 5 Letter</a>
None Attached	Optional	<a href="#">SWR 13 Letter</a>
None Attached	Optional	<a href="#">Hardcopy Form</a>
None Attached	Optional	<a href="#">Sharing Agreement</a>
None Attached	Optional	<a href="#">SWR 10 Letter</a>
None Attached	Optional	<a href="#">Pressure-Volume-Temperature (PVT) Analysis</a>
None Attached	Optional	<a href="#">H-9 Hydrogen Sulfide Compliance (SWR 36)</a>
None Attached	Optional	<a href="#">Any other miscellaneous attachment.</a>

[Print All Forms](#)

# Form G-5



This is the date the well was tested. In most cases it is the same date as the G-1 test date.

## G-1 Information

Date Of Test: 09/18/2014

Pipeline Connection or Use of Gas: ENBRIDGE PIPELINE

## Production Test at Rate Elected by Operator

Gas Volume: 4390.0 MCF	Oil or Condensate Volume: BBL
Water Volume: BBL	Gas/Liquid Hydrocarbon Ratio: 14661 CF/BBL
Flowing Tubing Pressure: 5353 PSIA	Choke Size: 14/64 INCHES
Casing Pressure: PSIA	Shut-in Wellhead Pressure--Tubing: 7165 PSIA
Separator Operating Pressure: 50.0 PSIA	Color of Stock Tank Liquid:
Gravity of Separator Liquid: °API	Gravity of Stock Tank Liquid: °API
Specific Gravity of Gas: 0.732 Air = 1	

## A.S.T.M. Distillation of Liquid Sample

Was a PVT Analysis performed due to a G-5 gas well classification report not meeting standards?:  No  Yes **If Yes, the PVT Analysis has to be attached to this packet.**

Date Liquid Sample Obtained: 10/04/2014

Where Obtained: Separator

% Over:	Temp.(°F)	% Over:	Temp.(°F)	% Over:	Temp.(°F)
I.B.P.:	141.0	10:	222.0	20:	245.0
30:	265.0	40:	291.0	50:	320.0
60:	354.0	70:	398.0	80:	451.0
90:	510.0	95:	561.0	End Point:	613.0
Total Recovery:	98.3 %	Residue:	1.0 %	Loss:	0.7 %

## Certification

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this Certification, that I have personal knowledge of all information presented in this report, and that all data presented on this form are true, correct, and complete to the best of my knowledge.

I Accept?:  No  Yes

Refresh Edit Certify

# Form G-10



**Test Information**

Date Tested: 09/18/2014 MM/DD/YYYY

Tester Name: JOHN DOE

Tester Company: JOHN DOE AND COMPANY

Tester Phone: (512) 555-1212 (###) ###-#### EXT #####

Gas Volume (Gas Produced): 4390 MCF

Gravity (Dry Gas): 0.732

SIWH Pressure: 7165 PSIA

Flowing Pressure: 5353 PSIA

Please ensure that your test date is, at minimum, three days after the completion date for a one point test.

**Well Status Information**

Purpose for Filing: Initial Test

Condensate Produced: 0.0 BBL

Condensate Gravity: API

Water Produced: 0.0 BBL

X Bottom Hole Pressure: PSIA

If the well is not a dry gas well be sure to include condensate values unless tested on a different day than the G-1 test date.

**Certification**

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this Certification, that I have personal knowledge of all information presented in this report, and that all data presented on this form are true, correct, and complete to the best of my knowledge.

I Accept?:  No  Yes

Refresh Edit Certify

# Form L-1



## Authorization

- Basic Electric Log Not Run
- Basic Electric Log Run
  - Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
  - Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
  - Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
  - Log attached to (select one)
    - (a) Form L-1 (this form). If the company lease name on log is different from that shown in the Packet Summary
  - Check here if attached log is being submitted after being held confidential
  - (b) Form P-7, Application for Discovery Allowable and New Field Designation.
  - (c) Form W-4, Application for Multiple Completion: lease or ID no.(s)  
Lease or ID No.(s):   
Well No.(s):

If a log was run and you are holding it confidential, please select 'basic electric log run' and attach a copy of your log header.

## Certification

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.

I Accept?:  No  Yes

# P-4 (Cert. of Compliance & Trans. Authority)



\* Only initial new lease P-4's may be filed online. All other P-4 changes must be filed via hardcopy at this time.

Refresh Edit Save Certify

**Well Information**

Is this well temporarily abandoned/shut-in?:  No  Yes

Is this an un-perforated well (not completed)?:  No  Yes

Is this a service well?:  No  Yes

Required

←

**Authorized GAS WELL or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s)**

Row	Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s)	Purchaser's RRC Assigned System Code	Percent of Take	Full-well Stream	Number of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s)	Product Code
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Search"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text" value="Clear"/>	
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Search"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text" value="Clear"/>	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Search"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text" value="Clear"/>	

Add Row

**Authorized OIL or CONDENSATE Gatherer(s)**

Row	Name of OIL or CONDENSATE Gatherer(s)	Percent of Take	Operator Number	Product Code
1	<input type="text" value="Search"/>	<input type="text"/>	<input type="text" value="Clear"/>	
2	<input type="text" value="Search"/>	<input type="text"/>	<input type="text" value="Clear"/>	
3	<input type="text" value="Search"/>	<input type="text"/>	<input type="text" value="Clear"/>	

Add Row

Refresh Edit Save Certify

# P-4 (Searching for Gatherer's & Purchasers)



## Select Operator

Filing operator: RAILROAD COMMISSION DISTRICT 08 (000010)

**Search by Operator Number**

Operator No.:

**Search by Operator Name**

Beginning with these characters  
 Containing these characters  
 Matching these characters exactly

Operator Name:

**Search Results**

ATLAS POWER EQUIPMENT, LLC(036558)  
ATLAS POWER INC.(036575)  
ATLAS POWER INC & REISS PET. INC(036577)  
ATLAS PETRO LTD. L.C.(036579)  
ATLAS PROCESSING COMPANY(036580)  
ATLAS PIPELINE MID-CONTINENT LLC(036584)  
ATLAS PL MID-CONT. WESTTEX, LLC(036586)

# P-4 (Cert. of Compliance & Trans. Authority)



\* Only initial new lease P-4's may be filed online. All other P-4 changes must be filed via hardcopy at this time.

Refresh Edit Save Certify

## Well Information

Is this well temporarily abandoned/shut-in?:  No  Yes

Is this an un-perforated well (not completed)?:  No  Yes

Is this a service well?:  No  Yes

Percent of take must equal 100% on a producing gas well

## Authorized GAS WELL or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s)

Row	Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s)	Purchaser's RRC Assigned System Code	Percent of Take	Full-well Stream	Number of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s)	Product Code
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ATLAS PL MID-CONT. WESTTEX, LLC(036586) Search	0001 Search	100.0	<input type="checkbox"/>	Clear	
2	<input type="checkbox"/>	<input type="checkbox"/>	Search			<input type="checkbox"/>	Clear	
3	<input type="checkbox"/>	<input type="checkbox"/>	Search			<input type="checkbox"/>	Clear	

Add Row

## Authorized OIL or CONDENSATE Gatherer(s)

Row	Name of OIL or CONDENSATE Gatherer(s)	Percent of Take	Operator Number	Product Code
1	PLAINS MARKETING, L.P.(667883) Search	100.0	Clear	
2	Search		Clear	
3	Search		Clear	

If not left blank the percent of take must equal 100 %

Refresh Edit Save Certify

# P-15 (Statement of Productivity of Acreage)



This form may be required by field rules. It designates a specific amount of acreage to a particular well.

Refresh Edit Certify

**Authorization**

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the **RAILROAD COMMISSION DISTRICT 08 (000010)** operator, **HARDY 18** Lease, **Well No. 8** ; that such well is completed in the **SPRABERRY (TREND AREA)** Field, **GLASSCOCK** County, Texas and that the acreage claimed, and assigned to such well for proration purposes as authorized by special rule and as shown on the attached certified plat embraces

acres which can reasonably be considered to be productive of hydrocarbons.

I Accept:  No  Yes

**Certification**

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.

I Accept:  No  Yes

Refresh Edit Certify

# W-12 (Inclination Report)



Question # 18 on attached W-12

Question # 21 on attached W-12

Verify shot points on the attached W-12.

Refresh Edit Certify

**Well Information**

Accumulative total displacement of well bore at total depth of :  feet =:  feet

Distance from surface location of well to the nearest lease line:  feet

Was the subject well at any time intentionally deviated from the vertical in any manner? :  No  Yes

If Yes :

**Shot Point Information**

Is the first shot point depth 500 feet or less?:  No  Yes

Are succeeding shot points 1000 feet or less apart?:  No  Yes

Was last shot point within 1000 feet of the total depth of the well?:  No  Yes

Remarks:

**Certification**

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this Certification, that I have personal knowledge of all information presented in this report, and that all data presented on this form are true, correct, and complete to the best of my knowledge.

I Accept?:  No  Yes

Refresh Edit Certify

\* A W-12 Inclination Report will still need to be attached to this completion for signatures and the inclination data.

\* A Directional Survey will need to be attached if there was deviation from the vertical.

\* A Directional Survey will need to be attached if the accumalative total displacement exceeds the distance to the nearest lease.

# Load Attachments



Packet Data | G-1 | Complete Additional Forms | **Load Attachments** | Messages | Submit

## Attachments

Packet Summary Data	Submitted: Online
Tracking No.: 132730	Status: <b>Work in Progress</b>
Operator Name: <b>RAILROAD COMMISSION DISTRICT 04 (000004)</b>	Type Of Completion: <b>New Well</b>
Field Name: <b>SUGARKANE (EAGLE FORD)</b>	Completion or Recompletion Date:
Lease Name: <b>GENTRY 01</b>	Purpose Of Filing: <b>Initial Potential</b>
RRC District No.: <b>02</b>	Well Type: <b>Producing</b>
RRC Gas ID or Oil Lease No.: <b>267412</b>	County: <b>LIVE OAK</b>
Well No.: <b>01H</b>	Drilling Permit No: <b>734957</b>
API No.: <b>297-35114</b>	Wellbore Profile: <b>HORIZONTAL</b>
	Field No.: <b>86950600</b>

- Step 1 - Packet Data
- Step 2 - G-1 Data
- Step 3 - Complete Additional Forms
- Step 4 - Load Attachments**
- Step 5 - Submit

\* The current limit on files being uploaded is 6MB.

### Upload Attachment

Attachment Type: -Select One- File: Choose File No file chosen Upload

### Current Attachments

Circular Graph	
GAU LETTER	
H-9 Hydrogen Sulfide (SWR 36)	
Hardcopy Form	

### Required Attachments

L-1 Header	
Other	

### Certified Directional Survey Attachment

- P-12
- FVI Analysis
- Plat
- Proration Acreage List
- SWR 10 Letter
- SWR 13 Letter
- SWR 5 Letter
- Sharing Agreement
- W-12
- W-15
- W-4
- W-4A
- W-5

Name	From	To	Label	Start Date	End Date
<a href="#">01H - MWD Srvys.pdf</a>	9420	19558	Lateral 1	05/10/2012	06/11/2012
<a href="#">L # 01H SURVEY DATA.pdf</a>	0	9270		05/07/2012	05/07/2012
<a href="#">01H - Certification.pdf</a>	9420	19558	Lateral 1	05/10/2012	06/11/2012
<a href="#">L # 01H CERTIFICATION LETTER.pdf</a>	0	9270		05/07/2012	05/07/2012

Make sure you select the correct attachment type. Plats should only be attached as .tif files all others can be attached as .tif or .pdf. The size limit for any attachment is 6mb.

# GAU Letter (G.W. Protection Determ.)



**GROUNDWATER PROTECTION DETERMINATION**

Groundwater Advisory Unit

Date: **November 21, 2013** GAU File No.: SC- 1417

\*\*\*\*\* EXPEDITED APPLICATION \*\*\*\*\*

API Number: 35100000

Attention: JAMES M CLARK RRC Lease No. 000000

SC\_744835\_35100000\_000000\_1417.pdf

SAMSON EXPLORATION LLC  
ATTN TOM FERGUSON  
1300 MAIN ST STE 1900  
HOUSTON TX 77002

P-5# 744835

--Measured--

1585 ft FWL

2417 ft FSL

MRL: SURVEY

Digital Map Location:

X-coord/Long 93.79168

Y-coord/Lat 30.25019

Datum 83 Zone

County: NEWTON Lease & Well No. NICHOLAS HACKBERRY UNIT #1 Purpose: ND

Location: SUR-CHAMPION J. , A-78, --[TD=8850], [RRC 3] ,

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

Usable-quality water occurs from the land surface to a depth of 1625 feet. Moreover, the interval from the land surface to a depth of 900 feet contains water of superior quality which must be isolated from water in underlying beds.

Please send ELECTRIC log when it is available if it contains information from within the protected depth interval(s).

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-483-0741, [gau@rrc.state.tx.us](mailto:gau@rrc.state.tx.us), or by mail.

Sincerely,

*Lance N. Christian*

Digitally signed by Lance Christian, P.G.  
DN: c=US, ou=RRAC, o=Lance Christian, ou=Geologist  
Commission of Texas, ou=Lance Christian,  
P.O. email=Lance.Christian@rrc.state.tx.us  
Date: 2013.11.21 16:55:52 -0600

Lance Christian, P.G.

GEOLOGIST SEAL

The seal appearing on this document was authenticated by Lance Christian on 11/21/2013. Note: Alteration of this electronic document will invalidate the digital signature.

0866R Transition Form Rev. 01/2011 P.O. Box 12967 Austin, Texas 78711-2967 512-483-2741 Internet address: www.rrc.state.tx.us

# L-1 Header



<b>Schlumberger</b>			
Company:		Samson Exploration, LLC	
Well:		Nicholas Hackberry Unit #1	
Field:		SE Hartburg	
County:		Newton	State: Texas
***PLATFORM EXPRESS***			
COMPENSATED NEUTRON LITHODENSITY			
ARRAY INDUCTION-GR-SP			
County: Newton	Field: SE Hartburg	Location: X=4,064,421	
		Y=272,867	
Well: Nicholas Hackberry Unit #1	Company: Samson Exploration, LLC	Location: X: 4,064,421	
		Y: 272,867	
Permanent Datum:		Ground Level	Elev.: 29.10 ft
Log Measured From:		Kelly Bushing	17.00 ft above Perm.Datum
Drilling Measured From:		Kelly Bushing	
API Serial No. 42-351-30896		X: 4,064,421	Y: 272,867
		RIG: Black Creek #3	
Logging Date		19-Jan-2014	
Run Number		One	
Depth Driller		8456.00 ft	
Schlumberger Depth		8464.00 ft	
Bottom Log Interval		8465.00 ft	
Top Log Interval		1716.00 ft	
Casing Driller Size @ Depth		9.625 in @ 1715.00 ft	
Casing Schlumberger		1716 ft	
Bit Size		8.75 in	
Type Fluid In Hole		Water-Based Mud	
MUD	Density	11.8 lbm/gal	53 s
	Fluid Loss	2.7 cm3	11
	PH		
Source of Sample		Active Tank	
RM @ Meas Temp	1.43 ohm.m @	53.1 degF	
RMF @ Meas Temp	1.08 ohm.m @	68 degF	
RMC @ Meas Temp	1.81 ohm.m @	68 degF	
Source RMF	RMC	Calculated	Calculated
RM @ BHT	RMF @ BHT	0.5 @ 166	0.47 @ 166
Max Recorded Temperatures		166 degF	
Circulation Stopped	Time	19-Jan-2014	02:00:00
Logger on Bottom	Time	19-Jan-2014	10:15:00
Unit Number	Location:	2377	Liberty, Texas
Recorded By	Wade Decker		
Witnessed By	Dan Golob		

**Properties**

**Disclaimer**

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

**Contents**

1. Header
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10. Tail

# Log & Log Header Requirements

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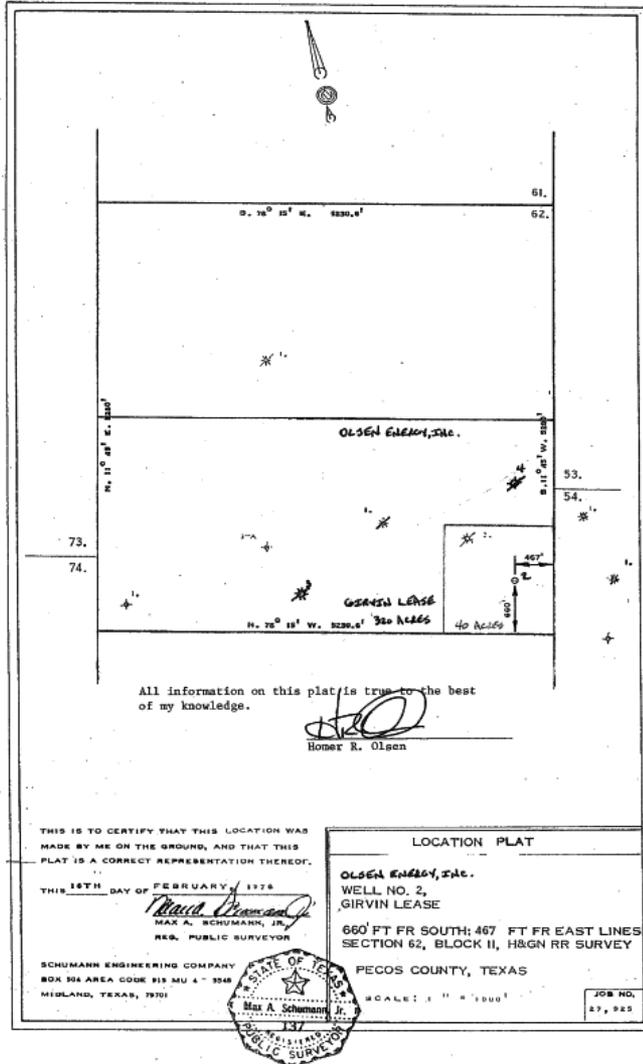


- Company Name
- Lease Name
- Well Number
- Field
- API number
- Elevations
- Fluid/Mud Properties
- Logger depth must cover the producing interval
- Log header must be legible for audit and scanning
- Log must be continuous, not printed on high gloss paper and cannot be altered (i.e. – printed and taped or stapled together)

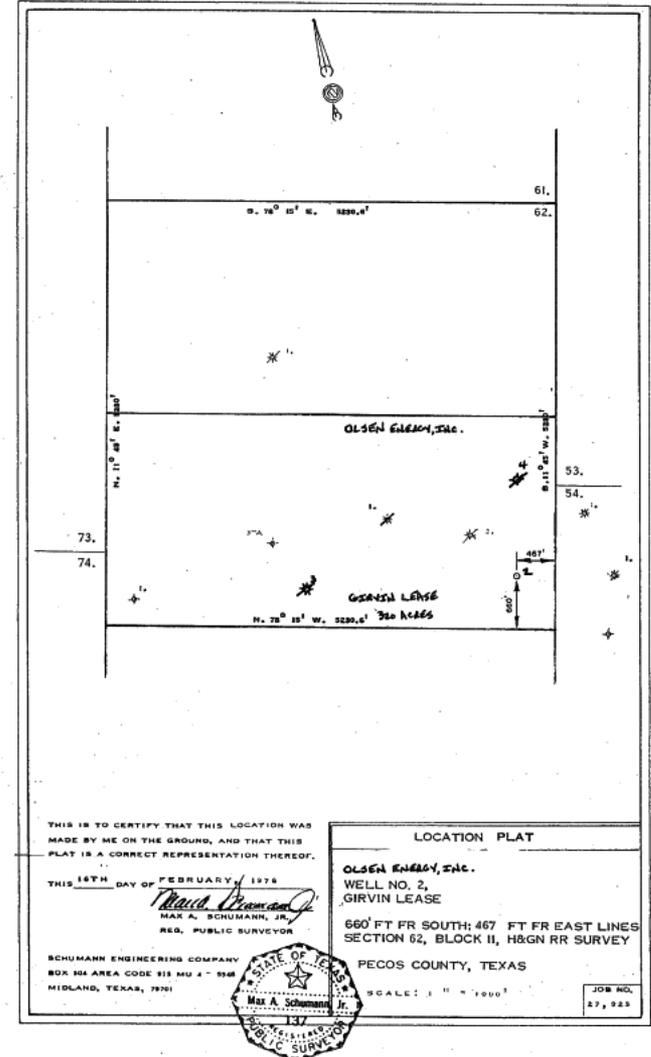
# Plat



## Proration Plat Example



## Lease Plat Example



# Proration Acreage List



An acreage list may be required by field rules. It details each well on the lease in the specified field and the acres allocated to each well.

## P-15 Acreage Allocation

Lease Name: WATERS RANCH 287 Well Number: 5H Lease Acreage: **653**  
Acreage Total: **653**

<u>RRC ID #</u>	<u>Well Name</u>	<u>Well #</u>	<u>Permit ID</u>	<u>Acreage</u>
	WATERS RANCH 287	1H	746868	160
	WATERS RANCH 287	2H	757940	160
	WATERS RANCH 287	3H	766678	160
	WATERS RANCH 287	4H	766833	93
	WATERS RANCH 287	5H	766684	80

Gas Analysts are not allowed to change acreage based off the data on an acreage list. Either a P-15 and plat for each well or P-16 must be submitted.





# SWR-10 Letter (Downhole Commingling)



CHRISTI CRADDICK, CHAIRMAN  
DAVID PORTER, COMMISSIONER  
BARRY T. SMITHERMAN, COMMISSIONER



TIM POE  
ACTING DIRECTOR, OIL AND GAS DIVISION

## RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

November 25, 2014

ANADARKO E&P ONSHORE LLC  
ATTN: REGULATORY DEPARTMENT  
PO BOX 1330  
HOUSTON TX 77251-1330

RE: **APPLICATION FOR EXCEPTION TO SWR 10**  
LEASE: UNION PACIFIC  
WELL NO. 69  
CROCKETT COUNTY, DISTRICT 7C, TEXAS  
API NO. 105-37459

FIELD NAME	FIELD NO.	COMPLETION DEPTHS (FT)
OZONA (CANYON SAND)	67995200	416'-6550'
OZONA (CLEAR FORK)	67995400	203'-3396'

**HYDROGEN SULFIDE RESTRICTION: NO**

The Commission has approved your application to down-hole commingle production within the above-referenced wellbore from the OZONA (CANYON SAND); and OZONA (CLEAR FORK) fields in CROCKETT County, Texas. For allowable and reporting purposes, the well will be assigned to the OZONA (CANYON SAND) field. It will be necessary to have or obtain Commission authority to complete this well in each of the subject zones (Form W-1 approval). The effective date of this SWR 10 Exception is November 21, 2014. This exception to SWR 10 will expire if not used within two (2) years from the date of this permit. This expiration date is November 25, 2016.

If the commingled well tests as a gas well and the well is not currently on schedule as a multi-completed well or never has been on schedule as a single completion in any of the non-reporting fields listed above, you must file a well-record-only G-1 for the field(s). This completion must be treated as a separate completion. It will not be eligible for allowable status, and will be carried on the proration schedule as a SWR 10 well. The only instances in which the production will be assigned to a field in which the allocation formula has been suspended are when: (1) The allocation formula has been suspended in all of the fields cited in the Rule 10 Exception application, or (2) If the production is less than 200 MCFPD. If the status for any of the fields changes it may be necessary to reassign the production to the prorated field. Contact your proration analyst to inquire as to which forms are necessary to change the reporting field.

1701 NORTH CONGRESS AVENUE • POST OFFICE BOX 12967 • AUSTIN, TEXAS 78711-2967 • PHONE: 512/463-6838 • FAX: 512/463-6955  
TDD 800/735-2989 • AN EQUAL OPPORTUNITY EMPLOYER • <http://www.rrc.state.tx.us>

Page 1 of 2

Application for Exception to SWR 10, November 25, 2014  
UNION PACIFIC — WELL NO. 69, API NO. 105-37459

Acreage assigned to the referenced well for allocation of allowable shall not be assigned to any other well or wells projected to or completed in the above-referenced fields; such duplicate assignment of acreage is not acceptable, provided, however, that this limitation shall not prevent the reformation of development or proration units so long as no duplicate assignment of acreage occurs, and further, that such reformation does not violate other conservation regulations.

The maximum daily allowable for the combined production will be limited to the top allowable for the reporting field and will become effective upon receipt of Form G-1 or W-2 showing combined completion data and results of a potential test performed after the physical work of down hole commingling has been completed and run in accordance with Statewide Rule 28. Please indicate in "remarks" the reason for filing this report, giving date of Commission approval of this Rule 10 Exception.

Should secondary recovery operations be initiated in either of these reservoirs, it may be necessary to segregate these zones. If surface-commingling authority has been granted, it may be necessary to amend or cancel this authority.

Permit conditions:

The completion report for the commingled well must indicate which perforations belong to which field. The Commission may also require a wellbore diagram to be filed with the completion report for the commingled well. If filed, the wellbore diagram must indicate which perforations belong to which field.

Note: The distribution of this document will be by E-MAIL ONLY. E-mail sent to kim.vincent@anadarko.com.

If you have any questions, you may contact the engineering unit in the Austin office at 512-463-1126.

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# W-12 (Inclination Report)



RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION

Form W-12  
(1-1-71)  
FOD1296

**INCLINATION REPORT**  
(One Copy Must Be Filed With Each Completion Report)

1. FIELD NAME (as per RRC Records or Wildcat) <b>Panhandle, West</b>		2. LEASE NAME <b>Jones A</b>		6. RRC District: <b>10</b>
3. OPERATOR <b>Pantera Energy Company</b>		4. ADDRESS <b>817 S. Polk Street, Suite 201 Amarillo Texas, 79101</b>		7. RRC Lease Number (Oil completions only)
5. LOCATION (Section, Block, and Survey) <b>Sec 218 Blk 3T T&amp;NO</b>				8. Well Number <b>M 2</b>
				9. RRC Identification Number (Gas completions only)
				10. County <b>Moore</b>

**RECORD OF INCLINATION**

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (size of Angle x100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
275	275	0.75	1.31	3.60	3.60
578	303	0.75	1.31	3.96	7.56
1058	480	1.00	1.75	8.40	15.96
1839	781	1.00	1.75	13.66	29.62
2339	500	1.25	2.18	10.90	40.52
2790	451	0.75	1.31	5.90	46.42
3158	368	1.00	1.75	6.44	52.86

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form?  yes  no

18. Accumulative total displacement of well bore at total depth of **3158** feet = **52.86** feet.

\*19. Inclination measurements were made in -  Tubing  Casing  Open hole  Drill Pipe

20. Distance from surface location of well to the nearest lease line **330** feet.

21. Minimum distance to lease line as prescribed by field rules **330** feet.

22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? **No**  
(If the answer to the above question is "yes," attach written explanation of the circumstances.)

<p><b>INCLINATION DATA CERTIFICATION</b></p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts presented on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Mike Spradling</i> Signature of Authorized Representative <b>Mike Spradling, Drilling Manager</b> Name of Person and Title (type or print) <b>Spradling, L.P.</b> Name of Company Telephone: <b>(806) 274-2261</b> Area Code</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Brooks Gentry</i> Signature of Authorized Representative <b>Brooks Gentry, Engineer</b> Name of Person and Title (type or print) <b>Pantera Energy Company</b> Operator Telephone: <b>(806) 376-6625</b> Area Code</p>
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*Railroad Commission Use Only:*  
Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
\* Designates items certified by company that conducted the inclination surveys.

Required

Required

Shot Points

Drilling Permit

Field Rules

Required



# P-12 (Certificate of Pooling Authority)



RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division  
PO Box 12067  
Austin, Texas 78711-2967  
www.rrc.state.tx.us

## CERTIFICATE OF POOLING AUTHORITY

# P-12

Revised 05/2001

1. Field Name(s) SUGARKANE (EAGLE FORD)	2. Lease/ID Number (if assigned)	3. RRC District Number 02
4. Operator Name PIONEER NATURAL RESOURCES USA INC	5. Operator P-S Number 665748	6. Well Number 08H
7. Pooled Unit Name SCHENDEL 02	8. API Number	9. Purpose of Filing <input checked="" type="checkbox"/> Drilling Permit (W-1) <input type="checkbox"/> Completion Report
10. County KARNES	11. Total acres in pooled unit <b>851.19</b>	

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

TRACT/PLAT IDENTIFIER	TRACT NAME (See Inst. #7 below)	ACRES IN TRACT	INDICATE UNDIVIDED INTERESTS	
			UNLEASED	NON-POOLED
1	PATRICIA A. SCHENDEL	173.56	<input type="checkbox"/>	<input type="checkbox"/>
1A	PATRICIA A. SCHENDEL	1.99	<input type="checkbox"/>	<input type="checkbox"/>
2	PARKER A. SCHENDEL	8.68	<input type="checkbox"/>	<input type="checkbox"/>
3	DENNIS REYNOLDS, THOMAS OWEN WARNER WARREN ALLEN WARNER	47.16	<input type="checkbox"/>	<input type="checkbox"/>
4	VELMA G. WARNER, THOMAS OWEN WARNER	13.05	<input type="checkbox"/>	<input type="checkbox"/>
5	THOMAS RAY KIRK	207.64	<input type="checkbox"/>	<input type="checkbox"/>
6	POLLY MARIE PORTER	163.89	<input type="checkbox"/>	<input type="checkbox"/>
6A	POLLY MARIE PORTER	55.19	<input type="checkbox"/>	<input type="checkbox"/>
7	RIDLEY FARMS	167.64	<input type="checkbox"/>	<input type="checkbox"/>
8	STATE OF TEXAS	12.39	<input type="checkbox"/>	<input type="checkbox"/>

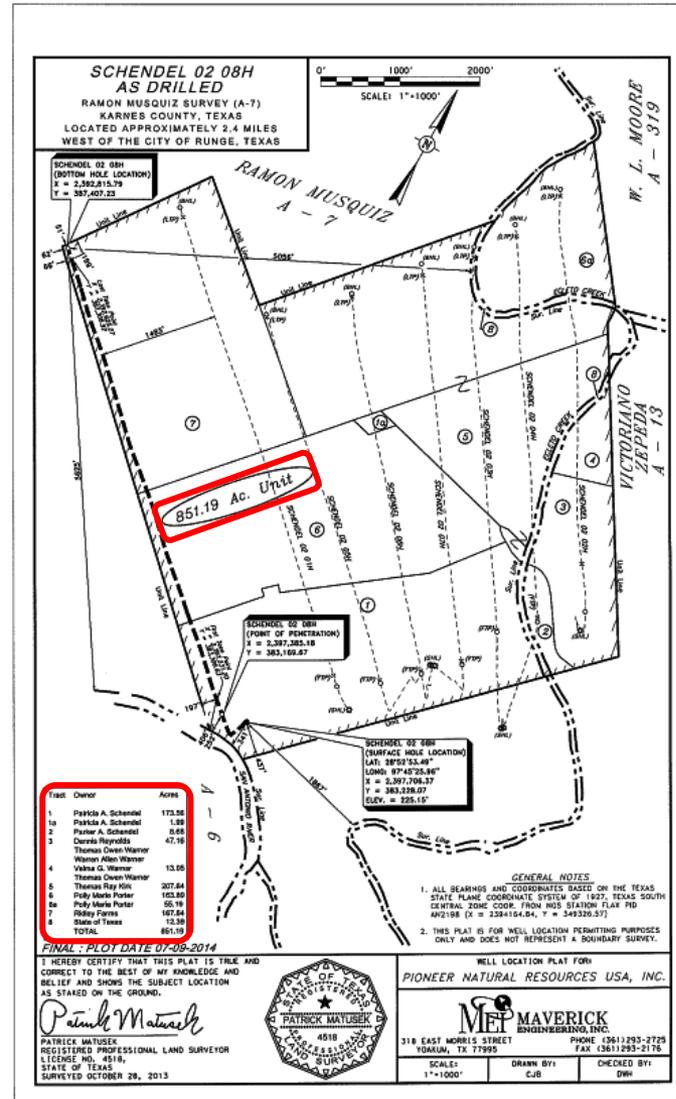
**CERTIFICATION:**  
I declare under penalties prescribed pursuant to the Sec. 91.143, Texas Natural Resources Code, that I am authorized to make the foregoing statements and that the information provided by me or under my direction on this Certificate of Pooling Authority is true, correct, and complete to the best of my knowledge.

Signature: *Alexis Hudgins*      Print Name: ALEXIS HUDGINS  
ENGINEERING TECH      ALEXIS.HUDGINS@PXD.COM      Date: 11/05/2013      Phone: 972-968-5803  
Title:      E-mail (if available):      Date:      Phone:

**INSTRUCTIONS — Reference: Statewide Rules 31, 38 and 40**

- When two or more tracts are pooled to form a unit to obtain a drilling permit, file completion paperwork, or reform a pooled unit pursuant to Rule 38(d)(3) the operator must file an original Certificate of Pooling Authority and certified plat.
- The certified plat shall designate each tract with an outline and a tract identifier. The tract identifier on the plat shall correspond to the tract identifier and associated information listed on the Certificate.
- If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
- If the Purpose of Filing is to obtain a drilling permit, in box #1 list all applicable fields separately or enter "All Fields" if the Certificate pertains to all fields requested on Form W-1.
- If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
- Identify the drill site tract with an \* to the left of the tract identifier.
- The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.

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# Contact Us

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For immediate assistance please call the  
Well Compliance (Proration)  
main phone number.



**512-463-6975**



**512-463-6955**



**[prorationunit@rrc.texas.gov](mailto:prorationunit@rrc.texas.gov)**



**[www.rrc.texas.gov](http://www.rrc.texas.gov)**



**P.O. Box 12967, Austin, Texas 78711-2967**