



Chairman David Porter
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July 2016

COMPLETIONS OVERVIEW AND DISCUSSION

Form W-2



Class Synopsis

This presentation is a general overview of how to file Oil Well Completion Reports (W-2) utilizing the Railroad Commission of Texas Online Completion Filing System.



Navigating to the Online System

www.rrc.texas.gov

The screenshot shows the website's navigation bar with 'RRC Online Log In' highlighted. The main content area features a mission statement and recent news. A sidebar on the right lists commissioners and useful links.

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Railroad Commission of Texas Mission Statement

The Railroad Commission serves Texas through:

- our stewardship of natural resources and the environment;
- our concern for personal and community safety; and
- our support of enhanced development and economic vitality for the benefit of Texans.

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April 02, 2015
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April 01, 2015
AUSTIN –As Texans begin spring planting and outdoor projects, it is an important time to remind the public they must call 811 before digging and follow safe practices to help prevent injuries, property damage and inconvenient outages. [Read More...](#)

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Log In

ONLINE SYSTEM Choose an Application Go Log In

Log In

Log in to access the RRC Online System.

UserID: Password: **Required** [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 rrconline-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

The screenshot shows the RRC Online System homepage. At the top left is the RRC logo and the text "ONLINE SYSTEM". At the top right is a dropdown menu labeled "Choose an Application" with "Go" and "Log Out" buttons. Below this is a navigation bar with "Home", "General Help", and "About" links. The main content area starts with "Welcome to the RRC Online System" and a password expiration notice for June 29, 2016. A "Main Application" box lists several links: Account Administration, Production Reports, Drilling Permits (W-1), Completions, P-4 Change of Gatherer/Purchaser, and Well Status Report (G10/W10). To the right, a box titled "Try out our new home page!" provides information about the new portal and includes links for the "RRC Online Home page (New)" and "Getting Started with the new RRC Online home page". A callout box at the bottom center states "Important Messages & Upcoming Events will appear here." with an arrow pointing to the right.

RRC ONLINE SYSTEM Choose an Application Go Log Out

Home General Help About

Welcome to the RRC Online System

Your password will expire on Jun 29, 2016
Click on the "Account Administration" link below to change your password.

Main Application

- [Account Administration](#)
- [Production Reports](#)
- [Drilling Permits \(W-1\)](#)
- [Completions](#)
- [P-4 Change of Gatherer/Purchaser](#)
- [Well Status Report \(G10/W10\)](#)

Try out our new home page!

You can try new features, get to the applications you currently use, and provide feedback by using the beta bar.

If you have any issues with applications accessed via the new portal, return here and use the current RRC Online System.

[RRC Online Home page \(New\)](#)
[Getting Started with the new RRC Online home page](#)

Important Messages & Upcoming Events will appear here.



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

- Completions Package
 - Filing Completion Package**
 - Completions Query
- P-8
 - Filing P-8
- Directional Survey
 - Directional Survey Query
- Internal
 - Hard Copy Packet Edit
 - Internal Workflow

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

[Disclaimer](#) | [RRC Online Home](#) | [RRC Home](#) | [Contact](#)

Important Messages & Upcoming Events will appear here.



Select Filing Operator

The screenshot shows a web application interface for selecting a filing operator. At the top, it says 'RC ONLINE SYSTEM' and 'Oil & Gas Completions'. There are navigation links: 'Completions Home', 'Completions Menu', 'PB Menu', 'Internal Menu', and 'Help'. A dropdown menu for 'Choose an Application' and 'Log Out' buttons are also visible.

The main section is titled 'Select Filing Operator'. It contains three main areas:

- Filing operator:** Currently set to 'Undefined'.
- Search by Operator Number:** A search box with 'Operator Number: 000010' and a 'Search' button. An arrow points to the 'Search' button.
- Search by Operator Name:** A search box with 'Operator Name:' and a 'Search' button. It includes three radio button options: 'Beginning with these characters' (selected), 'Containing these characters', and 'Matching these characters exactly'.
- Search Results:** A list box showing one result: '000010 - RAILROAD COMMISSION DISTRICT 08'. An arrow points to this result.
- Set Filing Operator:** A button at the bottom left. An arrow points to this button.

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.



Filing Options

Well Completions
Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010)

Filing Completion Package

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

My Messages | **Operator Messages** | Recent Notifications

1 - 10 of 373 results | Page: 1 2 3 4 5 6 7 8 9 10 of 38 | Page Size: 10

Tracking No.	User	Operator	Status	Sent By	Current Messages	Response Count
6132	Stasull, Joseph	QUICKSILVER RESOURCES INC.	Published (01/21/2011)	Thompson, Pamela	Please revise P4 condensate gatherer ID number from #241402 to #241399. ID #241402 is not active; The P4 has been unlocked so that you can make your correction. I can be reached at pamela.thompson@rrc.state.tx.us or 512-463-6741;	0
6133	Stasull, Joseph	QUICKSILVER RESOURCES INC.	Published (01/21/2011)	Thompson, Pamela	Please revise P4 condensate gatherer (Eclipse)ID #241402 to #241399; The P4 is unlocked so that you can make the correction; I can be reached at pamela.thompson@rrc.state.tx.us or 512-463-6741;	0
6137	Stasull, Joseph	QUICKSILVER RESOURCES INC.	Published (01/24/2011)	Thompson, Pamela	Please revise P4 condensate gatherer ID #241402 to #241399 (Eclipse Services Inc.); The P4 is unlocked so that you can make the correction; I can be reached at pamela.thompson@rrc.state.tx.us or 512-463-6741;	0
6138	Stasull, Joseph	QUICKSILVER RESOURCES INC.	Published (01/24/2011)	Thompson, Pamela	Please revise P4 condensate gatherer ID #241402 to #241399 (Eclipse Services Inc.); The P4 is unlocked so that you can make the correction; I can be reached at pamela.thompson@rrc.state.tx.us or 512-463-6741;	0
6312	Stasull, Joseph	KINDER MORGAN PRODUCTION CO LLC	Published (05/07/2012)	Barnes, Marty	Do you wish this packet to be deleted since it was replaced with packet #9345? Cannot process until you complete certification of W-2 form...	3
6312	Stasull, Joseph	KINDER MORGAN PRODUCTION CO LLC	Published (05/02/2011)	Barnes, Marty	You will need to certify your form W-12 for us to complete a review of your Completions Packet.	0
6333	Stasull, Joseph	SONERRA RESOURCES CORPORATION	Published (02/09/2011)	Rodriguez, Mary	Earl, as we discussed, Please correct the acres on the G-1 to match the P-12.	0
6632	Stasull, Joseph	LOCKOUT CORPORATION	Published (01/28/2011)	Barnard, Pamela	File a Corrected Form L-1 or Log; Form L-1 indicates log attached but log has not been filed.	0
6635	Stasull, Joseph	CHOLLA PETROLEUM, INC.	Published (02/28/2011)	Garrison, Cathy	If this is a well on an existing lease please enter lease number from now on.	0
6635	Stasull, Joseph	CHOLLA PETROLEUM, INC.	Published (03/30/2011)	Garrison, Cathy	Is this an existing lease?	0



Identify the Well

Well Completion Package
Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010)

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:

Tracking No.	Drilling Permit No.	API No.	District	Well Type	Completion Type	Well No.	Packet Status
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Either option may be used but the drilling permit number is recommended.



Select the Field

Wells Found
Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010)

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](#)

3 results Page: 1 of 1 Page Size: [View All](#)

Drilling Permit/Issued	API No.	Lease Name	Field Name	District	Lease No./Gas ID	Well No.	
745925 / 09-25-2012	17335230	HARDY 18	SPRABERRY (TREND AREA)	08		8	New Packet
745925 / 08-14-2012	17335230	HARDY 18	GARDEN CITY, NW (STRAWN)	08		8	New Packet
745925 / 08-14-2012	17335230	HARDY 18	SPRABERRY (TREND AREA)	08		8	New Packet

[Return To Search](#)

Select the field the well was completed in. If the well is downhole commingled you need to select the primary reporting field specified on your approved SWR-10 letter.



Initial Packet Description

Packet Data

Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010)

Packet Summary Data	Submitted: Online
Tracking No.:	Status: Work in Progress (unknown)
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date:
Lease Name: HARDY 18	Purpose Of Filing:
RRC District No.: 08	
RRC Gas ID or Oil Lease No.:	County: GLASSCOCK
Well No.: 8	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile:

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

Initial Potential: This filing is for a well, which is not on schedule and will be assigned a RRC ID/Lease number or is being added to an existing oil lease.

Retest: Producing wells that are retesting. When simply testing your well and not making any physical changes in the well, such as changes in perforations, or openhole or casing records, etc., file your test on a W-10 or G-10. Do not use a W-2 or G-1 completion form.

Reclass: Wells being reclassified to Oil or Gas wells.
Existing well on schedule being reclassified to a UIC well.
Existing UIC well being reclassified to a Producing or Shut-In well.
Examples of UIC wells are Injection, Storage, and Brine Mining.

Well Record Only May apply to one of the following:

- New Drills or Recompletions with no test
- Shut-In Producer waiting on a pipeline connection
- Change of perforations (same zone no test ran)
- Well number changes
- Statewide Rule 10 (non-reporting zone)
- Wellbore work - add tubing, replaced casing, set packer, or any other work procedure that changes the configuration of the wellbore.

Create Packet Return To Results

Initial Packet Description	
Purpose Of Filing:	Initial Potential
Type Of Completion:	New Well
Well Type:	Producing
Wellbore Profile:	DIRECTIONAL
Type of Completion Packet:	Oil / W-2
Horizontal Wellbore Profile Type:	-Select One-

Required Information



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



Verify Packet Data

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | Submit

Packet Data Oil / W-2

Packet Summary Data	Submitted: Online	Current Status
Tracking No.: 230574	Status: Work in Progress	
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well	
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date:	
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential	
RRC District No.: 08	Well Type: Producing	
RRC Gas ID or Oil Lease No.	County: GLASSCOCK	
Well No.: 8	Drilling Permit No: 745925	
API No.: 173-35230	Wellbore Profile: DIRECTIONAL	
Field No.: 85280300		

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

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.

Tracking # (points to Tracking No.: 230574)

Current Status (points to Status: Work in Progress)

If packet data corrections are needed select the Change Packet Description button.



Well Data & Workover Info.

Refresh Save

Well Data

Field Name: SPRABERRY (TREND AREA) Well No.: 8
 Lease Name: HARDY 18 Well Latitude: 31.85250
 County of Well Site: GLASSCOCK Well Longitude: -101.46028
 RRC District No.: 08 Lat/Long Type: UTM 27
 RRC Gas ID or Oil Lease No.: 41707 Search Lease Lat/Long Other: _____

This well is located: 1.4 miles in a: SOUTHEAST direction from: GARDEN CITY, which is the nearest town in the county.

Date of first production after rig released: 12/14/2012 MM/DD/YYYY - If the well is not completed, use the date the rig was released.

Spud Date: 09/12/2012 MM/DD/YYYY

Type of Electric or other Log Run: Neutron/Density logs (combo of tools)

Electric Log Other Description: _____

Former Operator name if operator has changed within the last 60 days: _____

Drill, Plug Back, or Deepen Permit No.: 745925 Clear

Rule 37 Case No.: _____

Fluid Injection Permit No.: F- _____

O&G Waste Disposal Permit No.: _____

Other Permit No.: _____

Other Description: _____

Location/Survey: T&P RR CO / CHANEY, WE Survey Block: 33 T48
 Survey Section: 18 Survey Abstract: 707

Date: 09/25/2012
 Date: _____ MM/DD/YYYY
 Date: _____ MM/DD/YYYY
 Date: _____ MM/DD/YYYY
 Date: _____ MM/DD/YYYY

Required

This is your "Completion Date" or the date the well is capable of production by flipping a switch or turning a valve.

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			-Select One-				-Select One-	Clear
2			-Select One-				-Select One-	Clear

Add Row Search for Field & Reservoir

Refresh Save



Setting the Lease Number

Select Lease

Filing operator: RAILROAD COMMISSION DISTRICT 08 (000010)

Search by Lease Number

Lease No.:

Search by Lease Name

Beginning with these characters
 Containing these characters
 Matching these characters exactly

Lease Name:

Search Results

HARDY 18 - 41707 00

If this well is going onto an existing lease then you should be adding the lease number to the packet data at this time.



Search for Field & Reservoir

Packet Data [W-2](#) [Complete Additional Forms](#) [Load Attachments](#) [Messages](#) [Submit](#)

Packet Data Oil / W-2

Packet Summary Data	Submitted: Online
Tracking No.: 230574	Status: Work in Progress
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date:
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential
RRC District No.: 08	Well Type: Producing
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK
Well No.: 8	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile: DIRECTIONAL
Field No.: 85280300	

[Back](#)

3 results Page: 1 of 1 Page Size: [View All](#) ▼

Drilling Permit No.	Lease Name	Field Name	Field No.	Lease No./Gas ID	Well No.	District	
745925	HARDY 18	SPRABERRY (TREND AREA)	85280300	41707	8	08	Select
745925	HARDY 18	GARDEN CITY, NW (STRAWN)	33997700		8	08	Select
745925	HARDY 18	SPRABERRY (TREND AREA)	85280300	41707	8	08	Select

[Back](#)

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

Always use the Search for Field & Reservoir button instead of manually keying the workover information. This will automatically fill in the workover information with the correct field number, well number etc.



Packet Data Successfully Saved

(Cmpl_1191) The current page has been saved.

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | Submit

Packet Data Oil / W-2

Packet Summary Data	Submitted: Online
Tracking No.: 230574	Status: Work in Progress
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential
RRC District No.: 08	Well Type: Producing
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK
Well No.: 8	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile: DIRECTIONAL
Field No.: 85280300	

[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.

[Refresh](#) [Save](#)

Well Data

Field Name: SPRABERRY (TREND AREA)	Well No.: <input type="text" value="8"/>
Lease Name: HARDY 18	Well Latitude: <input type="text" value="31.85250"/>
County of Well Site: GLASSCOCK	Well Longitude: <input type="text" value="-101.46028"/>
RRC District No.: 08	Lat/Long Type: <input type="text" value="NAD 27"/>
RRC Gas ID or Oil Lease No.: 41707 Search Lease	Lat/Long Other: <input type="text"/>

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

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

Spud Date: MM/DD/YYYY

Type of Electric or other Log Run:



W-2 Page 1 (Potential Test Data)

Packet Data | **W-2** | Complete Additional Forms | Load Attachments | Messages | Submit

W-2 Oil Well Potential Test, Completion or Recompletion Report, and Log

Packet Summary Data	Submitted: Online
Trading No.: 230574	Status: Work in Progress
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential
RRC District No.: 08	Well Type: Producing
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK
Well No.: 8	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile: DIRECTIONAL
Field No.: 85280300	

Refresh Page 1 | 2 | 3 | 4 | 5 | 6 | Save | Edit

Potential Test Data

Date of Test: 12/20/2012 MM/DD/YYYY Hours Tested: 24
Production Method: Pumping Choke Size:
If Pumping, Pump Size: 1 1/4" x 26" Pump Type: RHBC
Was swab used during this test?: No Yes
Oil Produced Prior to Test: 340 BBL
Injection Gas/Oil Ratio: CF/BBL
Remarks:

Production During Test Period

Oil: 154 BBL Gas: 304 MCF
Water: 413 BBL Flowing Tubing Pressure: PSIG
Gas - Oil Ratio: 0 MCF/BBL x 1000

Calculated 24 Hour Rate

Oil: 154 BBL Gas: 304 MCF
Water: 413 BBL Oil Gravity: 42 API-60°F
Casing Pressure: PSIG

Refresh Page 1 | 2 | 3 | 4 | 5 | 6 | Save | Edit

- If "Pumping" enter the pump size & type.
- If "Flowing" enter the choke size.
- The test date should be newer than the completion date but prior to the submittal date.



W-2 Page 2 (Completion Data I)

Packet Data | **W-2** | Complete Additional Forms | Load Attachments | Messages | Submit

W-2 Oil Well Potential Test, Completion or Recompletion Report, and Log

Packet Summary Data	Submitted: Online
Tracking No.: 230574	Status: Work in Progress
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential
RRC District No.: 08	Well Type: Producing
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK
Well No.: B	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile: DIRECTIONAL
Field No.: B5280300	

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: 8

Total number of acres on this lease: 642.9

Date Plug Back, Deepening, Recompletion, or Drilling Operations
Commenced: 09/12/2012 MM/DD/YYYY

Location of well, relative to nearest lease boundaries
of lease on which this well is located: 1513.0 Feet from the
1787.0 Feet from the
HARDY 18

Distance to nearest well in this lease & reservoir: 1148.0 feet
Elevation: 2617 feet
Vertical Depth: 10376 feet
Plug Back Depth - TVD: 10306 feet

Ended: 09/24/2012 MM/DD/YYYY

Off Lease
North Line and
West Line of the
Lease.

Elevation Code: GL
Measured Depth: 10385 feet
Plug Back Depth - MD: 10315 feet

Refresh | 1 | Page 2 | 3 | 4 | 5 | 6 | Save | Edit

If this is the initial filing use the "spud" date

Lease lines should match the permit exactly. If not you need to add remarks or possibly amend the permit.

If this is the initial filing this may be the rig release date.



W-2 Page 3 (Completion Data II)

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | Submit

W-2 Oil Well Potential Test, Completion or Recompletion Report, and Log

Packet Summary Data

Tracking No.: 230574
 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)
 Field Name: SPRABERRY (TREND AREA)
 Lease Name: HARDY 18
 RRC District No.: 08
 RRC Gas ID or Oil Lease No.: 41707
 Well No.: 8
 API No.: 173-35230
 Field No.: 85280300

Submitted: Online
 Status: Work in Progress
 Type Of Completion: New Well
 Completion or Recompletion Date: 12/14/2012
 Purpose Of Filing: Initial Potential
 Well Type: Producing
 County: GLASSCOCK
 Drilling Permit No: 745925
 Wellbore Profile: DIRECTIONAL

Step 1 - Packet Data

Step 2 - W-2 Data

Step 3 - Complete Additional Forms

Step 4 - Load Attachments

Step 5 - Submit

Refresh | 1 | 2 | Page 3 | 4 | 5 | 6 | Save | Edit

Data on Well Completion and Log II

GAU Groundwater Protection Determination Depth: 420

GAU Groundwater Protection Determination Date: 05/03/2012 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 (W-15)?: No Yes

Is Well multiple completion?: No Yes

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

Add Row | Search for Field & Reservoir

Refresh | 1 | 2 | Page 3 | 4 | 5 | 6 | Save | Edit

Select yes if directional surveys were run.

The depth & date can be found on your GAU Letter.

Rotation time is now a required item.

Only complete this section if this is a multiple completion. This section is not for workovers or downhole commingled wells.



W-2 Page 4 (Casing, Liner & Tubing)

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | Submit

W-2 Oil Well Potential Test, Completion or Recompletion Report, and Log

Packet Summary Data

Tracking No.: 230574
 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)
 Field Name: SPRABERRY (TREND AREA)
 Lease Name: HARDY 1B
 RRC District No.: 08
 RRC Gas ID or Oil Lease No.: 41707
 Well No.: 8
 APT No.: 173-35230
 Field No.: 85280300

Submitted: Online

Status: Work in Progress
 Type Of Completion: New Well
 Completion or Recompletion Date: 12/14/2012
 Purpose Of Filing: Initial Potential
 Well Type: Producing
 County: GLASSCOCK
 Drilling Permit No: 745925
 Wellbore Profile: DIRECTIONAL

Refresh | 1 | 2 | 3 | Page 4 | 5 | 6 | Save | Edit

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	Surface	17 1/2	13 3/8	454				470	830	0	Circulated to Surface
2	Intermediate	11	8 5/8	3276				800	1005	0	Circulated to Surface
3	Conventional Production	7 7/8	5 1/2	10385				1300	2081	307	Calculation

FRAC GAU recommended base of usable quality ground-water (BUQW): 425 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									-Select One-
2									-Select One-
3									-Select One-

Tubing Record

Row	Tubing Size (inches & fractions)	Depth Set (ft.)	Packer Depth (ft.)	Packer Type
1	2 3/8	7549		
2				
3				

Does this well currently have tubing set? No Yes

If NO, Explain in Remarks.

Remarks:

SWR 13 Exception for Tubing Record? (Attach approval)

Refresh | 1 | 2 | 3 | Page 4 | 5 | 6 | Save | Edit

These two columns are the only optional columns in this table.

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

Depth can be found on your GAU Letter

Optional

Per SWR-13(b)(5)(a) all flowing oil wells must have tubing set unless an extension is granted by your field rules. If the question is answered no you must provide an explanation and your allowable may be withheld.



W-2 Page 5 (Producing Interval & Fracture)

1 2 3 4 Page 5 6 Save Edit

Producing/Injection/Disposal Interval (this completion) Indicate depth of perforation on open hole
 Note: From and To are for Measured Depth for Horizontals.

Row	From (feet)	To (feet)	Bottom Hole Label	Lateral Label	Open Hole	
1	7354	10056	Directional	-Select One-	<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:

List all perforations that are currently open. If the well is open hole select open hole, if the well is horizontal or directional then use the appropriate lateral label.

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

Depth Interval	From (feet)	To (feet)	Amount and Kind of Material Used	Process	
1	7354.0	7568.0	72,000 GAL SLICK WATER, 42,500 GAL 10# X-LINK GEL, WITH 108,875# 20/40 WHITE SAN	Fracture	Clear
2	7594.0	7813.0	72,000 GAL SLICK WATER, 42,500 GAL 10# X-LINK GEL, WITH 108,875# 20/40 WHITE SAN	Fracture	Clear
3	7860.0	8192.0	83,000 GAL SLICK WATER, 48,000 GAL 10# X-LINK GEL, WITH 123,500# 20/40 WHITE SAN	Fracture	Clear
4	8233.0	8465.0	122,500 GAL USING 10# X-LINK & 76,750# 20/40 WHITE & 15,000# SLC SAND	Fracture	Clear
5	8489.0	8792.0	75,500 GAL USING 10# X-LINK & 72,500# 20/40 SLC SAND	Fracture	Clear
6	8838.0	9108.0	119,500 GAL USING 10# X-LINK & 59,063# 20/40 SLC SAND	Fracture	Clear
7	9505.0	9567.0	58,000 GALS.10# X-LINK GEL WITH 22,375# SLC 20/40 SAND	Fracture	Clear
8	9599.0	9783.0	43,000 GALS.10# X-LINK GEL WITH 16,500# SLC SAND	Fracture	Clear
9	9812.0	10056.0	43,000 GALS.10# X-LINK GEL WITH 16,500# SLC SAND	Fracture	Clear

Add Row

Remarks:

List any acidizing, fracturing, cement squeezes or CIBP's here with the affected depths. It is very important to list the old perforations and how they were isolated here if recompleting a well to prevent a SWR-10 violation.



W-2 Page 5 (Formation Record)

The formation record is required per SWR-13. If the well is directional or horizontal make sure to list both the TVD's & MD's

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	SANTA ROSA	<input type="checkbox"/>			<input type="checkbox"/>	NOT ENCOUNTERED	Clear
2	YATES	<input checked="" type="checkbox"/>	1480.0	1480.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
3	SEVEN RIVERS	<input checked="" type="checkbox"/>	1581.0	1581.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
4	QUEEN	<input checked="" type="checkbox"/>	1877.0	1877.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
5	GLORIETA	<input type="checkbox"/>			<input type="checkbox"/>	NOT ENCOUNTERED	Clear
6	GRAYBURG	<input checked="" type="checkbox"/>	2297.0	2297.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
7	SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	<input checked="" type="checkbox"/>	2754.0	2754.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
8	CLEARFORK	<input checked="" type="checkbox"/>	3498.0	3498.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
9	SPRABERRY	<input checked="" type="checkbox"/>	5455.0	5455.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
10	WICHITA ALBANY	<input checked="" type="checkbox"/>	6260.0	6260.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
11	DEAN	<input checked="" type="checkbox"/>	6839.0	6840.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
12	WOLFCAMP	<input checked="" type="checkbox"/>	6959.0	6959.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
13	STRAWN	<input checked="" type="checkbox"/>	9504.0	9504.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear
14	ATOKA	<input type="checkbox"/>			<input type="checkbox"/>	NOT ENCOUNTERED	Clear
15	PENNSYLVANIAN	<input type="checkbox"/>			<input type="checkbox"/>	NOT ENCOUNTERED	Clear
16	FUSSELMAN	<input checked="" type="checkbox"/>	10253.0	10253.0	<input checked="" type="checkbox"/>	CEMENTED BEHIND PRODUCTION CASING	Clear

Add Row

Data on Well Completion and Log I

SWR-10 APPROVAL
 7354'9108' - SPRABERRY (TREND AREA)
 Remarks: 9505'-10056' - GARDEN CITY, NN (STRAIN)

List any important information here, SWR-10 remarks are required if the well is downhole commingled.

* 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.



W-2 Page 6 (Certification Page)

Packet Data | **W-2** | Complete Additional Forms | Load Attachments | Messages | Submit

W-2 Oil Well Potential Test, Completion or Recompletion Report, and Log

Packet Summary Data Tracking No.: 230574 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010) Field Name: SPRABERRY (TREND AREA) Lease Name: HARDY 18 RRC District No.: 08 RRC Gas ID or Oil Lease No.: 41707 Well No.: 8 API No.: 173-35230 Field No.: 85280300	Submitted: Online Status: Work in Progress Type Of Completion: New Well Completion or Recompletion Date: 12/14/2012 Purpose Of Filing: Initial Potential Well Type: Producing County: GLASSCOCK Drilling Permit No: 745925 Wellbore Profile: DIRECTIONAL	Step 1 - Packet Data Step 2 - W-2 Data Step 3 - Complete Additional Forms Step 4 - Load Attachments Step 5 - Submit
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Refresh | 1 | 2 | 3 | 4 | 5 | Page 6 | Edit | Certify

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 no 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:

Actual maximum pressure (PSIG) during hydraulic fracturing:

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

- (Crml_1242) The Packet agrees with the Drilling Permit (Total Depth, Density, and Field).
- (Crml_1200) Page 2 - Warnings: Proration, number of producing wells is different than the value on the Drilling Permit.
- (Crml_1485) Internal: Directional survey was made was set to yes.
- (Crml_1587) This Completion is down-holed commingled, attach a copy of SWR 10 approval letter to this completion.
- (Crml_1269) Page 3, GAU Groundwater Protection Determination letter to be attached to this Packet.
- (Crml_1191) The current page has been saved.

Note any black warnings . You might need to attach further documentation or add remarks to the W-2.

[Print Data](#) | [View](#) | **Complete Additional Forms** | [Load Attachments](#) | [Messages](#) | [Submit](#)

Add Additional Forms

Packet Summary Data		Submitted: Online		<table border="1"> <tr><td>Step 1 - Packet Data</td></tr> <tr><td>Step 2 - W-2 Data</td></tr> <tr><td>Step 3 - Complete Additional Forms</td></tr> <tr><td>Step 4 - Load Attachments</td></tr> <tr><td>Step 5 - Submit</td></tr> </table>	Step 1 - Packet Data	Step 2 - W-2 Data	Step 3 - Complete Additional Forms	Step 4 - Load Attachments	Step 5 - Submit
Step 1 - Packet Data									
Step 2 - W-2 Data									
Step 3 - Complete Additional Forms									
Step 4 - Load Attachments									
Step 5 - Submit									
Tracking No.: 230574		Status: Work in Progress							
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)		Type Of Completion: New Well							
Field Name: SPRABERRY (TREND AREA)		Completion or Recompletion Date: 12/14/2012							
Lease Name: HARDY 10		Purpose Of Filing: Initial Potential							
RRC District No.: 08		Well Type: Producing							
RRC Gas ID or Oil Lease No.: 41707		County: GLASSCOCK							
Well No.: B		Drilling Permit No.: 745925							
API No.: 173-35230		Wellbore Profile: DIRECTIONAL							
Field No.: 05280300									

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

Additional Forms			
Work in Progress	Required	Completion Packet data	
Certified	Required	W-2 Oil Well Potential Test, Completion or Recompletion Report, and Log	Print
None Created	Optional	L-1 Electric Log Status Report	Print
None Created	Optional	P-4 Certificate of Compliance and Transportation Authority	Print
None Created	Optional	P-15 Statement of Productivity of Access	Print
None Created	Optional	W-12 Inclination Report	

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

[Print All Forms](#)



L-1 (Electric Log Status Report)

Packet Data W-2 Complete Additional Forms Load Attachments Messages Submit

L-1 Electric Log Status Report

Packet Summary Data Tracking No.: 230574 Operator Name: RAILROAD COMMISSION DISTRICT 00 (000010) Field Name: SPRABERRY (TREND AREA) Lease Name: HARDY 10 RRC District No.: 00 RRC Gas ID or Oil Lease No.: 41707 Well No.: 0 API No.: 173-35230 Field No.: 05280300	Submitted: Online Status: Work in Progress Type Of Completion: New Well Completion or Recompletion Date: 12/14/2012 Purpose Of Filing: Initial Potential Well Type: Producing County: GLASSCOCK Drilling Permit No: 745925 Wellbore Profile: DIRECTIONAL
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Step 1 - Packet Data
Step 2 - W-2 Data
Step 3 - Complete Additional Forms
Step 4 - Load Attachments
Step 5 - Submit

Refresh Edit Certify

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):

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

If "Confidentiality" is selected you will need to attach a log header. If "Log attached" is selected please mail the physical log to Austin as soon as possible.



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

Packet Data W-2 Complete Additional Forms Load Attachments Message Submit

P-4 Certificate of Compliance and Transportation Authority

Packet Summary Data

Tracking No.: 230574
 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)
 Field Name: SPRABERRY (TREND AREA)
 Lease Name: HARDY 18
 RRC District No.: 08
 RRC Gas ID or Oil Lease No.: 41707
 Well No.: 0
 API No.: 173-35230
 Field No.: 85280300

Submitted: Online
 Status: Work in Progress
 Type Of Completion: New Well
 Completion or Recompletion Date: 12/14/2012
 Purpose Of Filing: Initial Potential
 Well Type: Producing
 County: GLASSCOCK
 Drilling Permit No: 745925
 Wellbore Profile: DIRECTIONAL

Step 1 - Packet Data

Step 2 - W-2 Data

Step 3 - Complete Additional Forms

Step 4 - Load Attachments

Step 5 - Submit

* 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: atlas p

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)

Packet Data | W-2 | **Complete Additional Forms** | Load Attachments | Messages | Submit

P-4 Certificate of Compliance and Transportation Authority

Packet Summary Data

Tracking No.: 230574
 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)
 Field Name: SPRABERRY (TREND AREA)
 Lease Name: HARDY 18
 RRC District No.: 08
 RRC Gas ID or Oil Lease No.: 41707
 Well No.: 8
 API No.: 173-35230
 Field No.: 85280300

Submitted: Online

Status: Work in Progress
 Type Of Completion: New Well
 Completion or Recompletion Date: 12/14/2012
 Purpose Of Filing: Initial Potential
 Well Type: Producing
 County: GLASSCOCK
 Drilling Permit No: 745925
 Wellbore Profile: DIRECTIONAL

Step 1 - Packet Data

Step 2 - W-2 Data

Step 3 - Complete Additional Forms

Step 4 - Load Attachments

Step 5 - Submit

* 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

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	

Add Row

Refresh Edit Save Certify

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

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



P-4 (Certification Page)

Packet Data | W-2 | **Complete Additional Forms** | Load Attachments | Messages | Submit

P-4 Certificate of Compliance and Transportation Authority

Packet Summary Data Tracking No.: 230574 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010) Field Name: SPRABERRY (TREND AREA) Lease Name: HARDY 18 RRC District No.: 08 RRC Gas ID or Oil Lease No.: 41707 Well No.: 8 API No.: 173-35230 Field No.: 85280300	Submitted: Online Status: Work in Progress Type Of Completion: New Well Completion or Recompletion Date: 12/14/2012 Purpose Of Filing: Initial Potential Well Type: Producing County: GLASSCOCK Drilling Permit No: 745925 Wellbore Profile: DIRECTIONAL	Step 1 - Packet Data Step 2 - W-2 Data Step 3 - Complete Additional Forms Step 4 - Load Attachments Step 5 - Submit
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------

CURRENT OPERATOR CERTIFICATION

By signing/agreeing to this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

I Accept: No Yes
Authorized Employee of current operator: No Yes
Authorized Agent of current operator: No Yes

Required



P-15 (Statement of Productivity of Acreage)

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | Submit

P-15 Statement of Productivity of Acreage Assigned to Proration Units

Packet Summary Data	Submitted: Online
Tracking No.: 230574	Status: Work in Progress
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential
RRC District No.: 08	Well Type: Producing
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK
Well No.: 8	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile: DIRECTIONAL
Field No.: 85280300	

Refresh Edit Certify

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

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

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)

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | Submit

W-12 Inclination Report

Packet Summary Data Tracking No.: 230574 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010) Field Name: SPRABERRY (TREND AREA) Lease Name: HARDY 18 RRC District No.: 08 RRC Gas ID or Oil Lease No.: 41707 Well No.: B API No.: 173-35230 Field No.: 85280300	Submitted: Online Status: Work in Progress Type Of Completion: New Well Completion or Recompletion Date: 12/14/2012 Purpose Of Filing: Initial Potential Well Type: Producing County: GLASSCOCK Drilling Permit No: 745925 Wellbore Profile: DIRECTIONAL
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

Refresh Edit Certify

Well Information

Accumulative total displacement of well bore at total depth of : 10365.9 feet = 403.82 feet
Distance from surface location of well to the nearest lease line: 1513.0 feet
Was the subject well at any time intentionally deviated from the vertical in any manner? : No Yes
PERMITTED AS DIRECTIONAL
If Yes :

Question # 18 on attached W-12
Question # 21 on attached W-12

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:

Verify shot points on the attached W-12.

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 accumulative total displacement exceeds the distance to the nearest lease.



Load Attachments

- (Cmpl_1588) The Approval Letter (SWR 10) will need to be attached to this packet.

Packet Data | W-2 | Complete Additional Forms | **Load Attachments** | Messages | Submit

Attachments

Packet Summary Data

Tracking No.: 230574
 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)
 Field Name: SPRABERRY (TREND AREA)
 Lease Name: HARDY 18
 RRC District No.: 08
 RRC Gas ID or Oil Lease No.: 41707
 Well No.: 8
 API No.: 173-35230
 Field No.: 85280300

Submitted: Online
 Status: Work in Progress
 Type Of Completion: New Well
 Completion or Recompletion Date: 12/14/2012
 Purpose Of Filing: Initial Potential
 Well Type: Producing
 County: GLASSCOCK
 Drilling Permit No: 745925
 Wellbore Profile: DIRECTIONAL

Step 1 - Packet Data

Step 2 - W-2 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

-Select One-
Circular Graph
GAU LETTER

Required Attachments

W-15, L-1 Header, GAU LET
 N-9 Hydrogen Sulfide (SWR 06)
 Hardcopy Form
 L-1 Header
 Other
 P-12
 Plat
Certified Directional Survey Attachment
 Directional Survey - Gyro
 Directional Survey - Certifica
 Protraction Acreage List
 SWR 10 Letter
 SWR 13 Letter
 SWR 8 Letter
 Sharing Agreement
 N-12
 N-15
 N-4
 N-4A
 N-5
 N-6

Name	From	To	Label	Start Date	End Date
8-WL 12700-Portfolio.pdf	100	3300		09/15/2012	09/15/2012
#8 - WL 12700 - RRC CERT FORM- ELine.pdf	100	3300		09/15/2012	09/15/2012

[Disclaimer](#) | [RRC Online Home](#) | [RRC Home](#) | [Contact](#)

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 Determination)

GROUNDWATER PROTECTION DETERMINATION

Groundwater Advisory Unit

Date **May 3, 2012** GAU File No.: SC- 5865

***** EXPEDITED APPLICATION *****

API Number 17300000

Attention: RONDA WHITE RRC Lease No. 000000

SC_027200_17300000_000000_5865.pdf

APACHE CORP
303 VETERANS AIRPARK LN
STE 3000
MIDLAND TX 79705

P-5# 027200

--Measured--

467 ft FWL

1980 ft PSL

MRL: SURVEY

Digital Map Location:

X-coord/Long 1648792

Y-coord/Lat 794546

Datum 27 Zone C

County GLASSCOCK Lease & Well No. HARDY 18 #34ALL Purpose ND

Location SUR-T4P,BLK-33,TSEP-4S,SEC-18,--[TD=11000],[RRC 8],

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

The interval from the land surface to 20 feet below the base of Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth between 350 and 400 feet.

This recommendation is adequate for all wells drilled in this section 18.

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-94).

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,



Jack M. Oswalt, P. G.

Geologist, Groundwater Advisory Unit
Oil & Gas Division

3869 Transition Form Rev. 01/2011 P.O. Box 12067 Austin, Texas 78711-2067 512-463-2741 Internal address: wau@rrc.state.tx.us

GEOLOGIST SEAL



The well operating on this document was authorized by Jack M. Oswalt on 5/9/2012
Note: Alteration of the electronic document will invalidate the digital signature.



L-1 Header

BAKER HUGHES		COMPENSATED Z-DENSILOGSM DIGITAL SPECTRALOGSM GAMMA RAY LOG	
Baker Atlas			
FILE NO: MD9939	COMPANY APACHE CORPORATION		
API NO: 42-173-35230	WELL HARDY 18 #8		
	FIELD SPRABERRY (TREND AREA)		
	COUNTY GLASSCOCK	STATE TEXAS	
Ver. 3.87 VAL	LOCATION: 1513' FNL & 1787' FNL SECTION 18, BLOCK 33 T4S SURVEY: T&P RR CD A-707	OTHER SERVICES DLL DAL	
PERMANENT DATUM LOG MEASURED FROM DRILL MEAS. FROM	GL _____ ELEVATION 2617 FT KB _____ 17 FT ABOVE P.D. KB _____	ELEVATIONS: KB 2634 FT DF 2633 FT GL 2617 FT	
DATE	22-SEP-2012		
RUN	TRIP	1	1
SERVICE ORDER	623072		
DEPTH DRILLER	10385 FT		
DEPTH LOGGER	10385 FT		
BOTTOM LOGGED INTERVAL	10331 FT		
TOP LOGGED INTERVAL	200 FT		
DRILLING DRILLER	8.625 IN	3276 FT	
LOGGING LOGGER	3275 FT		
BIT SIZE	7.875 IN		
TYPE OF FLUID IN HOLE			
DENSITY	VISCOSITY	8.7 LB/G	45 S
PH	FLUID LOSS	10.5	7 C3
SOURCE OF SAMPLE			
RM AT MEAS. TEMP.	1.1031 OHMM @80 DEGF		
RMF AT MEAS. TEMP.	0.83 OHMM @80 DEGF		
RMC AT MEAS. TEMP.	1.38 OHMM @80 DEGF		
SOURCE OF RMF		RMC	CALCULATED
RM AT BHT	1.09 OHMM @171.6 DEGF		
TIME SINCE CIRCULATION			
MAX. RECORDED TEMP.	176 DEGF		
EQUIP. NO.	LOCATION	HL6672	WIDLAND
RECORDED BY	K.SCHADE / B.TELLER		
WITNESSED BY	B.FUENTES / S.HENSON		

Properties

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCE FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

CASING RECORD			
SIZE	WEIGHT	GRADE	TO
8.625 IN	32.187	0 FT	3276 FT

BOREHOLE RECORD			
BIT SIZE	FROM	TO	
11 IN	0 FT	3276 FT	
7.875 IN	3276 FT	10385 FT	

REMARKS

RUN 1 TRIP 1 : NACL: 4603 PPM
CL: 2799 PPM
BOREHOLE & CEMENT VOLUMES PRESENTED (TOTAL VOLUME LESS 5.5 CSG.)
1 SMALL TICK = 10 CU. FT.
1 MEDIUM TICK = 100 CU. FT.
1 LARGE TICK = 1000 CU. FT.
POROC & CNC RECORDED ON A LIMESTONE MATRIX
CNC IS CASING AND CALIPER CORRECTED
CREW: J. LOYA / M. FERRER / E. BOU
RIG: UNION DRILLING 217



Log & Log Header Requirements

- 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



Plat

Proration Plat Example



Lease Plat Example



Proration Acreage List

Oil Lease No./Gas Well ID No: 41707

Lease Name(s): HARDY 18

Operator(s): APACHE CORPORATION 027200

API No.	District	Lease No.	Lease Name	Well No.	Field No	Field Name	Acres
17333893	8	41707	HARDY 18	1	85280300	SPRABERRY (TREND AREA)	40.18
17333913	8	41707	HARDY 18	2	85280300	SPRABERRY (TREND AREA)	40.18
17334943	8	41707	HARDY 18	3	85280300	SPRABERRY (TREND AREA)	80.36
17334664	8	41707	HARDY 18	5	85280300	SPRABERRY (TREND AREA)	40.18
17334947	8	41707	HARDY 18	6	85280300	SPRABERRY (TREND AREA)	40.18
17335229	8	41707	HARDY 18	7	85280300	SPRABERRY (TREND AREA)	80.36
17335230	8	41707	HARDY 18	8	85280300	SPRABERRY (TREND AREA)	80.36
17335273	8	41707	HARDY 18	9	85280300	SPRABERRY (TREND AREA)	80.36
17335407	8	41707	HARDY 18	10	85280300	SPRABERRY (TREND AREA)	40
17335408	8	41707	HARDY 18	11	85280300	SPRABERRY (TREND AREA)	40.36
17335879	8	41707	HARDY 18	12	85280300	SPRABERRY (TREND AREA)	40.36
17335880	8	41707	HARDY 18	13	85280300	SPRABERRY (TREND AREA)	40
						ALLOCATED ACRES IN LEASE	642.88
						TOTAL ACRES IN LEASE	642.9
						UNALLOCATED ACRES IN LEASE	0.02

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-16 (Acreage Designation Section I & II)



RAILROAD COMMISSION OF TEXAS

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

P-16 Data Sheet

(Optional)

Page 1

Rev. 09/2014

Acreage Designation

SECTION I. OPERATOR INFORMATION

Operator Name: RAILROAD COMMISSION DISTRICT 08	Operator P-5 No.: 000010
Operator Address: 10 DESTA DR., SUITE 500 E., MIDLAND, TX 79705	

SECTION II. WELL INFORMATION

District No.: 08	County: GLASSCOCK	Purpose of Filing: <input type="checkbox"/> Drilling Permit Application (Form W-1) <input checked="" type="checkbox"/> Completion Report (Form G-1/W-2)
Well No.: 8	API No.: 173-35230	
Total Lease Acres: 642.90	Drilling Permit No.: 745925	
Lease Name: HARDY 18	Lease No.: 41707	
Field Name: SPRABERRY (TREND AREA)	Field No.: 173-35230	

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
41707	1	V	HARDY 18	173-33893	40.18	N	
41707	2	V	HARDY 18	173-33913	40.18	N	
41707	3	V	HARDY 18	173-34943	80.36	N	
41707	5	V	HARDY 18	173-34664	40.18	N	
41707	6	V	HARDY 18	173-34947	40.18	N	
41707	7	V	HARDY 18	173-35229	80.36	N	
41707	8	D	HARDY 18	173-35230	80.36	N	
41707	9	V	HARDY 18	173-35273	80.36	N	
41707	10	V	HARDY 18	173-35407	40.00	Y	
41707	11	V	HARDY 18	173-35408	40.36	Y	
41707	12	V	HARDY 18	173-35879	40.36	Y	
41707	13	V	HARDY 18	173-35880	40.00	Y	



SWR-10 Letter (Downhole Commingling)

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



GIL BUIANO, P.E.
DIRECTOR, OIL AND GAS DIVISION

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

January 28, 2013

APACHE CORPORATION
ATTN: REGULATORY DEPARTMENT
2000 POST OAK BLVD STE 100
HOUSTON TX 77056

RE: APPLICATION FOR EXCEPTION TO SWR 10
LEASE: HARDY 18
WELL NO. 8
GLASSCOCK COUNTY, DISTRICT 08, TEXAS
API NO. 173-35230

FIELD NAME	FIELD NO.
SPRABERRY (TREND AREA)	85280300
GARDEN CITY, NW (STRAWN)	33897700

HYDROGEN SULFIDE RESTRICTION: NO

The Commission has approved your application to down-hole commingle production within the above-referenced wellbore from the SPRABERRY (TREND AREA) and GARDEN CITY, NW (STRAWN) fields in GLASSCOCK County, Texas. For allowable and reporting purposes, the well will be assigned to the SPRABERRY (TREND AREA) 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 January 25, 2013. This exception to SWR 10 will expire if not used within two (2) years from the date of this permit. This expiration date is January 29, 2015.

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 SPRABERRY (TREND AREA) field and will become effective upon receipt of Form W-2 showing combined completion data and results of a 24-hour production test taken after the physical work of down hole commingling has been completed. Please indicate in "remarks" the reason for filing this report, giving date of Commission approval of this Rule 10 exception.

1761 NORTH CONGRESS AVENUE • POST OFFICE BOX 12067 • AUSTIN, TEXAS 78711-2067 • PHONE: 512-463-6818 • FAX: 512-463-6955
TDD: 800-735-2969 • AN EQUAL OPPORTUNITY EMPLOYER • <http://www.rc.texas.gov>

Page 1 of 2

Application for Exception to SWR 10, January 28, 2013
HARDY 18 -- WELL NO. 8, API NO. 173-35230

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 keisha.stark@apachecorp.com.

If you have any questions, you may contact the engineering unit in the Austin office at 512-475-2307.

1761 NORTH CONGRESS AVENUE • POST OFFICE BOX 12067 • AUSTIN, TEXAS 78711-2067 • PHONE: 512-463-6818 • FAX: 512-463-6955
TDD: 800-735-2969 • AN EQUAL OPPORTUNITY EMPLOYER • <http://www.rc.texas.gov>

Page 2 of 2



W-12 (Inclination Report)

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

Form W-12
(1-1-76)

INCLINATION REPORT
(See Copy that Go With Well Completion Report)

1. FIELD NAME (see per well, fracture or fracture) **Strawberry (Fract Area)**

2. LEASE NAME **HARDY 18**

3. OPERATOR **APACHE CORPORATION**

4. ADDRESS **303 VETERANS AIRPARK LANE, STE. 3000 - MIDLAND, TX. 79705**

5. LOCATION (Well, Block, and Survey) **Sec 18, Blk 33, T-4-S, H P RR. Co. Survey, A-707**

6. WRC District **8**

7. WRC Lease Number (if completion) **41707**

8. Well Number **8**

9. WRC Site Location Number (if completion only)

10. County **GLASSCOCK**

RECORD OF INCLINATION

11. Measured Depth (feet)	12. Course Length (hundredths of feet)	13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (feet or inch of core)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
410	410	.62	1.08	4.44	4.44
1367	957	.75	1.31	12.53	16.96
2129	762	1	1.75	13.30	30.26
2890	751	.75	1.31	9.98	40.22
3736	846	1.8	3.14	26.58	66.80
4562	826	3.6	6.28	51.89	118.69
5484	922	3.6	6.28	67.92	176.61
6436	952	3.5	6.11	68.15	234.76
7324	888	3.2	5.68	49.59	284.35
8022	698	2.7	4.71	32.89	317.24
8720	698	2.4	4.19	29.24	346.47
9577	857	1.1	1.92	16.45	362.92
10325	748	2.9	5.06	37.88	400.78
10355	60	2.9	5.06	3.04	403.82

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

18. Accumulative total displacement of well below at total depth of **10,355** feet = **403.82** feet

19. Inclination measurements were made in Tubing Open Hole Casing Well Pipe

20. Distance from surface location of well to the nearest lease line **1513** feet

21. Minimum distance to lease line as prescribed by field rules **NO** 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.)

INCLINATION DATA 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 the information 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 their numbers on this form.

Laura Young
Signature of Authorized Representative

Laura Young, OFFICE MANAGER
Name of Person and Title (type or print)

UNION DRILLING, INC.
Name of Company

Telephone: **325-698-9864**

OPERATOR 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 and facts presented in this report, and that all data presented on both sides of the 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 their numbers on this form.

Susan Blakemore
Signature of Authorized Representative

Susan Blakemore - Only Tech
Name of Person and Title (type or print)

Apache Corporation
Name of Company

Telephone: **432-818-1000**

Railroad Commission Use Only

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.



P-12 (Certificate of Pooling Authority)

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 52997
Austin, Texas 78711-2997
www.rtc.state.tx.us

CERTIFICATE OF POOLING AUTHORITY **P-12**
Revised 05/2001

1. Field Name(s) SPRABERRY (TREND AREA)	2. Lease/ID Number of asset(s) 39874	3. RRC District Number 08
4. Operator Name APACHE CORPORATION	5. Operator P-5 Number 027200	6. Well Number 1A
7. Pooled Unit Name GIBSON 7 UNIT	8. API Number 42-173-34572	9. Purpose of Filing <input checked="" type="checkbox"/> Drilling Permit (W-1) <input type="checkbox"/> Completion Report
10. County GLASSCOCK	11. Total acres in pooled unit 160	

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

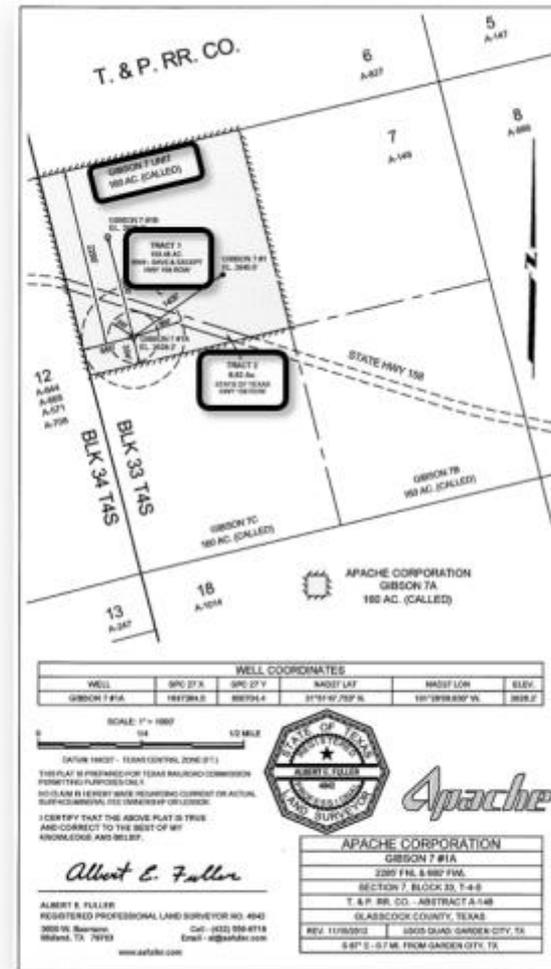
TRACT/PLAT IDENTIFIER	TRACT NAME	ACRES IN TRACT (See plat #7 attached)	INDICATE UNFINISHED INTERESTS UNLEASED NON-POOLED	
TRACT 1	NW4- EXCEPT HWY 158 ROW	153.48	<input type="checkbox"/>	<input type="checkbox"/>
TRACT 2	STATE OF TX HWY 158 ROW	6.52	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<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.

Keisha Stark
Signature: **KEISHA STARK**
First Name: _____
REGULATORY TECH Keisha.Stark@apachecorp.com Date: 11/15/2012 Phone: (432) 818-1181
Title: _____ E-mail (if available): _____

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(b)(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 there is 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 #11 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 #11 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.



Verify Attachments

Packet Data | W-2 | Complete Additional Forms | **Load Attachments** | Messages | Submit

Attachments

Packet Summary Data

Tracking No.: 230574
 Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)
 Field Name: SPRABERRY (TREND AREA)
 Lease Name: HARDY 18
 RRC District No.: 08
 RRC Gas ID or Oil Lease No.: 41707
 Well No.: 8
 API No.: 173-35230
 Field No.: 85280300

Submitted: Online

Status: **Work in Progress**
 Type Of Completion: **New Well**
 Completion or Recompletion Date: **12/14/2012**
 Purpose Of Filing: **Initial Potential**
 Well Type: **Producing**
 County: **GLASSCOCK**
 Drilling Permit No: **745925**
 Wellbore Profile: **DIRECTIONAL**

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

Upload Attachment

Attachment Type: File: No file chosen

Current Attachments

GAU LETTER-968992	HARDY 18 - 8 - GAU Letter.pdf	<input type="button" value="Delete"/>
L-1 Header-968993	HARDY 18 - 8 - Neutron Density Log Header.pdf	<input type="button" value="Delete"/>
Plat-968994	HARDY 18 - 8 - Plat.tif	<input type="button" value="Delete"/>
Proration Acreage List-968995	HARDY 18 - 8 - Acreage List.pdf	<input type="button" value="Delete"/>
SWR 10 Letter-968996	HARDY 18 - 8 - SWR-10 Approval Letter.pdf	<input type="button" value="Delete"/>
W-12-968997	HARDY 18 - 8 - W-12.pdf	<input type="button" value="Delete"/>
W-15-968998	HARDY 18 - 8 - W-15.pdf	<input type="button" value="Delete"/>
Other-968999	HARDY 18 - 8 - P-16.pdf	<input type="button" value="Delete"/>

Required Attachments

W-15, L-1 Header, GAU LETTER

Certified Directional Surveys

Attachment Type	Name	From	To	Label	Start Date	End Date
Directional Survey - Gyro	Apache-Hardy 18 #8-WL 12700-Portfolio.pdf	100	3300		09/15/2012	09/15/2012
Directional Survey - Certification	Apache - Hardy 18 #8 - WL 12700 - RRC CERT FORM- ELine.pdf	100	3300		09/15/2012	09/15/2012

Step 1 - Packet Data

Step 2 - W-2 Data

Step 3 - Complete Additional Forms

Step 4 - Load Attachments

Step 5 - Submit

Make sure to open your attachments to verify they are attached with the correct attachment type & are legible.



Submittal Page

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | Submit

Submit Packet

Packet Summary Data	Submitted: Online
Tracking No.: 230574	Status: Work in Progress
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential
RRC District No.: 08	Well Type: Producing
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK
Well No.: 8	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile: DIRECTIONAL
Field No.: 85280300	

Validate Submit

Submit Status

FIX	Form Name	Warnings	Status
<input type="button" value="Fix"/>	Packet Data	0	Work in Progress
<input type="button" value="Fix"/>	W-2	4	Certified
<input type="button" value="Fix"/>	L-1	0	Certified
<input type="button" value="Fix"/>	P-4 Data	1	Certified
<input type="button" value="Fix"/>	P-15	0	Certified
<input type="button" value="Fix"/>	W-12	2	Certified

Attachments

GAU LETTER, L-1 Header, Flat, Proration Acreage List, SWR 10 Letter, W-12, W-15, Other

Warnings

[1200] Page 2 - Warning: Proration, number of producing wells is different than the value on the Drilling Permit.
[1242] The Packet agrees with the Drilling Permit (Total Depth, Density, and Field).
[1485] Internal: Directional survey was made was set to yes.
[1587] This Completion is down-holed commingled, attach a copy of SWR 10 approval letter to this completion.

Miscellaneous Submit Data

Is this filing for a disposal well, water supply well, service well, or geothermal well?: No Yes
If a log (L-1 form) has previously been filed with the Commission, does it cover this interval?: No Yes

Save

Validate Submit

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

Address any applicable warnings prior to submittal of the tracking number.

Required



Submit Forms Lacking

Packet Data | W-2 | Complete Additional Forms | Load Attachments | Messages | **Submit**

Submit Packet

Packet Summary Data	Submitted: Online
Tracking No.: 230574	Status: Work in Progress
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Type Of Completion: New Well
Field Name: SPRABERRY (TREND AREA)	Completion or Recompletion Date: 12/14/2012
Lease Name: HARDY 18	Purpose Of Filing: Initial Potential
RRC District No.: 08	Well Type: Producing
RRC Gas ID or Oil Lease No.: 41707	County: GLASSCOCK
Well No.: 8	Drilling Permit No: 745925
API No.: 173-35230	Wellbore Profile: DIRECTIONAL
Field No.: 85280300	

Are you sure you wish to submit this Packet?

Submit Forms Lacking
Submit with required forms missing or uncertified?: <input type="radio"/> No <input checked="" type="radio"/> Yes
Submit with required attachments missing?: <input type="radio"/> No <input checked="" type="radio"/> Yes

Required

Cancel Submit



Finished

- (Cmpl_1275) The Packet has been submitted successfully.
- (Cmpl_1340) Upon review of your filing by RRC Staff, additional forms/attachments/information may be required.

Packet Data W-2 Complete Additional Forms Load Attachments Messages **Submit**

Submit Packet

Packet Summary Data

Tracking No.: 230574	Submitted: Online
Operator Name: RAILROAD COMMISSION DISTRICT 08 (000010)	Status: Submitted (unknown)
Field Name: SPRABERRY (TREND AREA)	Type Of Completion: New Well
Lease Name: HARDY 18	Completion or Recompletion Date: 12/14/2012
RRC District No.: 08	Purpose Of Filing: Initial Potential
RRC Gas ID or Oil Lease No.: 41707	Well Type: Producing
Well No.: 8	County: GLASSCOCK
API No.: 173-35230	Drilling Permit No: 745925
Field No.: 85280300	Wellbore Profile: DIRECTIONAL

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

The Packet 230574 has been submitted successfully.

Finish



Message Review

Well Completions

Filing Operator: APACHE CORPORATION (027200)

Filing Completion Package

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

My Messages Operator Messages Recent Notifications

1 - 10 of 105 results

[<<First] [<Previous] [Next>] [Last>>] | Page: 1 2 3 4 5 6 7 8 9 10 of 11

Page Size: 10

Tracking No.	User	Operator	Status	Sent By	Current Messages	Response Count
130362	Starr, Sherene	APACHE CORPORATION	Published (03/13/2015)	Hitchcock, Ivy	Attachments tab has been opened at the Operator's request.	0
129394	Starr, Sherene	APACHE CORPORATION	Published (03/12/2015)	Hitchcock, Ivy	Attachments tab has been opened, per an Operator request.	0
129156	Hopkins, Madeleine	APACHE CORPORATION	Published (02/27/2015)	Cassidy, Karen	Please correct the answer to the second question under shot point information on your online W-12 to "yes" as your attached W-12 shows that all shot points were taken at intervals of 1000' or less. **Please respond to this message via the "add response" button AND also email us to expedite review and resolution of the message. (karen.cassidy@rrc.state.tx.us)** [message date: 02/27/2015]	1
128527	Moughon, Debbie	APACHE CORPORATION	Published (02/24/2015)	Rosenquist, Scott	Please add a formation record entry for Edwards. <Scott.Rosenquist@rrc.state.tx.us>	0
128527	Moughon, Debbie	APACHE CORPORATION	Published (02/24/2015)	Rosenquist, Scott	The perfed interval on this W-2 is 9684-9830 feet, which does not comply with the permitted injection interval of 9720-9860 feet. Please advise as to how the operator plans to address this. <Scott.Rosenquist@rrc.state.tx.us>	0
128527	Moughon, Debbie	APACHE CORPORATION	Published (02/24/2015)	Rosenquist, Scott	Prior completion records for this well show perfs at 8956-9077 feet in the Austin Chalk. These perfs would have to have been isolated in order for the tubing-casing annulus to be successfully pressure-tested. It will be necessary to indicate on page 5 of the W-2 what down-hole work was done to achieve isolation of these prior perfs. <Scott.Rosenquist@rrc.state.tx.us>	0
128115	Smith, Christine	APACHE CORPORATION	Published (03/11/2015)	Lewis, Kayleigh	A Rule 13 exception must be obtained for this well. The surface csg was drilled 316' over the GAU depth- only allowed to drill up to 200' deeper than the GAU depth. In the future, submit this request prior to drilling as required by Rule 13. Please submit to jeffery.morgan@rrc.state.tx.us, thank you.	0
128006	Smith, Christine	APACHE CORPORATION	Published (02/20/2015)	Haynes, Danielle	please be advised that an acreage list will also be required along with the P-15 and lease plat	0



Respond to the Message

Search | Return to List | Engineering | **Messages** | Routing | Events | GIS Status | Related Packets

Packet Data | G-1 | Internal Update | Form Summary | Approval | Submit | Attachments | Comments | Process Log

Messages

Packet Summary Data **Submitted: Online**

Tracking No.: **128527** Status: **Submitted (02/18/2015)**

Operator Name: **APACHE CORPORATION (027200)** Type Of Completion: **Other/Recompletion**

Field Name: **GIDDINGS (EDWARDS, GAS)** Completion or Recompletion Date: **01/26/2015**

Lease Name: **REVEILLE SWD** Purpose Of Filing: **Well Record Only**

RRC District No.: **03** Well Type: **Active UIC**

RRC Gas ID or Oil Lease No.: County: **BURLESON**

Well No.: **1** Drilling Permit No: **799274**

API No.: **051-30311** Field Validated Date:

Wellbore Profile: **VERTICAL** Field No.: **34733620**

Cancel	Resolve	Status	Sent By	Response Count	Last Published RRC Response	Current Messages	Edit/Reply
<input type="checkbox"/>	<input type="checkbox"/>	Submitted (04/27/2015) Published (04/27/2015)	Rosenquist, Scott	0		A W-15 must be provided for the 200-sack squeeze. A W-15 has been uploaded.	<input type="button" value="Add Response"/> <input type="button" value="Save"/> <input type="button" value="Clear"/>
<input type="checkbox"/>	<input type="checkbox"/>	Submitted (02/24/2015) Resolved (04/17/2015)	Rosenquist, Scott	1		Please add a formation record entry for Edwards. <Scott.Rosenquist@rrc.state.tx.us>	<input type="button" value="Add Response"/>
<input type="checkbox"/>	<input type="checkbox"/>	Submitted (02/24/2015) Resolved (04/27/2015)	Rosenquist, Scott	1		Prior completion records for this well show perms at 8956-9077 feet in the Austin Chalk. These perms would have to have been isolated in order for the tubing-casing annulus to be successfully pressure-tested. It will be necessary to indicate on page 5 of the W-2 what down-hole work was done to achieve isolation of these prior perms. <Scott.Rosenquist@rrc.state.tx.us>	<input type="button" value="Add Response"/>
<input type="checkbox"/>	<input type="checkbox"/>	Submitted (02/24/2015) Resolved (04/27/2015)	Rosenquist, Scott	1		The perferd interval on this W-2 is 9684-9830 feet, which does not comply with the permitted injection interval of 9720-9860 feet. Please advise as to how the operator plans to address this. <Scott.Rosenquist@rrc.state.tx.us>	<input type="button" value="Add Response"/>



New SWR Changes

Essentially the changes are to create avenues for horizontal development. This has been taking place via hearings on a field level but with these changes, it is now standard statewide.

3.5, 3.31, 3.38, 3.40, 3.45, 3.51, 3.52, 3.86



How Changes Affect Compliance

- Stacked Lateral Rules (now statewide)
 - No field rule hearing needed.
- Stacked laterals
 - All associated wellbores require a survey (G-10 / W-10) to be filed.
- P-16 is now considered a form not a data sheet
- P-16 must be filed for all horizontal wells



How Changes Affect Compliance

- P-12 is not required upon completion if information has not changed from time of permit approval.
- Rule 51
 - Filing of a potential test has increased from 10 days to 30 (a 30 day rule exception)
- Rule 52
 - Operator may request overproduction be cancelled administratively if there is no protest from all other operators within the field



UFT Fields

Field #	Field Name	O/G	Dist.
02252500	AMARILLO, NORTH (CANYON LIME)	O	10
02870300	ANGIE (JAMES LIME)	O&G	06
06476300	BEAR GRASS (COTTON VALLEY CONS)	G	05
06648500	BECKVILLE (COTTON VALLEY)	G	06
07527722	BETHANY (TRAVIS PEAK CONS.)	O&G	06
12018200	BRISCOE RANCH (EAGLEFORD)	O&G	01
13147285	BUFFALO WALLOW (GRANITE WASH)	O&G	10
16032174	CARTHAGE (COTTON VALLEY)	O&G	06
16032300	CARTHAGE (HAYNESVILLE SHALE)	G	06
16032928	CARTHAGE (TRAVIS PEAK 6400)	O&G	06
16039300	CARTHAGE, SE (CV)	G	06
18600250	CLARK MARTIN (GRANITE WASH)	O&G	10
31913800	FORD, WEST (WOLFCAMP)	O&G	08
33151200	FRYE RANCH (CONSOLIDATED)	O&G	10
34204200	GATES RANCH (EAGLE FORD SHALE)	G	04
34733600	GIDDINGS (BUDA)	O&G	03
34733610	GIDDINGS (EAGLEFORD)	O&G	03
34943300	GILMER (COTTON VALLEY SANDS)	O&G	06
40311100	HEMPHILL (DOUGLAS)	O&G	10
40311200	HEMPHILL (GRANITE WASH.)	O&G	10
40356200	HENDERSON, E. (COTTON VALLEY)	G	06
42341300	HOLT RANCH (CONSOLIDATED)	O&G	7C
43305666	HUGH FITZSIMMONS (SAN MIGUEL)	O&G	01
44510500	INDIO TANKS (PEARSALL)	O&G	01
52019750	LARD RANCH (GRANITE WASH -C-)	O&G	10
53869270	LIPSCOMB (CLEVELAND)	O&G	10
53878250	LIPSCOMB, S.E. (CLEVELAND)	O&G	10

Field #	Field Name	O/G	Dist.
56599500	MADISONVILLE, W. (WOODBINE -A-)	O	03
58257300	MATHERS RANCH (GRANITE WASH)	G	10
60265500	MEG (GRANITE WASH)	G	10
60462500	MENDOTA, NW. (GRANITE WASH)	O&G	10
61691235	MILLS RANCH (GRANITE WASH CONS.)	O&G	10
61792111	MINDEN (COTTON VALLEY CONS.)	O&G	06
65280200	NEWARK, EAST (BARNETT SHALE)	O&G	09
66461275	OAK HILL (COTTON VALLEY)	O&G	06
67849150	OVERTON (COTTON VALLEY SAND)	O&G	06
67998500	OZONA, NE. (CANYON 7520)	O&G	7C
68735120	PAN PETRO (CLEVELAND)	O&G	10
70247666	PEERY (MARMATON)	O&G	10
71052900	PHANTOM (WOLFCAMP)	O&G	08
80544500	SANDBAR (BONE SPRING)	O&G	08
85280300	SPRABERRY (TREND AREA)	O&G	08
85279200	SPRABERRY (TREND AREA)	O&G	7C
85280301	SPRABERRY (TREND AREA) R 40 EXC	O&G	08
85279201	SPRABERRY (TREND AREA) R 40 EXC	O&G	7C
86125250	STILES RANCH (GRANITE WASH CONS)	G	10
95369160	WASKOM (COTTON VALLEY)	O&G	06
96537275	WEST PARK (GRANITE WASH)	G	10
96785300	WHEELER N.E. (GRANITE WASH)	O&G	10
98359800	WOLFBONE (TREND AREA)	O&G	08
98563083	WOODLAWN (COTTON VALLEY)	O&G	06



Unconventional Fracture Treated Field – is a field in which horizontal drilling and hydraulic fracturing must be used in order to recover resources from all or part of a field and which is developed using either vertical or horizontal techniques.

Important Note:

Field rules still trump Statewide Rules.



UFT Fields

- No maximum diagonal limit
- Daily allowable shall be 100 bbl. per acre, 600 mcf.
- Proration plats are not required for UFT fields.
- P-16 must be filed with completion
- Independent acreage assignment between horizontal and vertical wells



Contact Us

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

Phone: 512-463-6975

Fax: 512-463-6955

Email: prorationunit@rrc.texas.gov

Website: www.rrc.texas.gov

Address: P.O. Box 12967, Austin, Texas 78711-2967

