Completions: Do You Know How and When to File?

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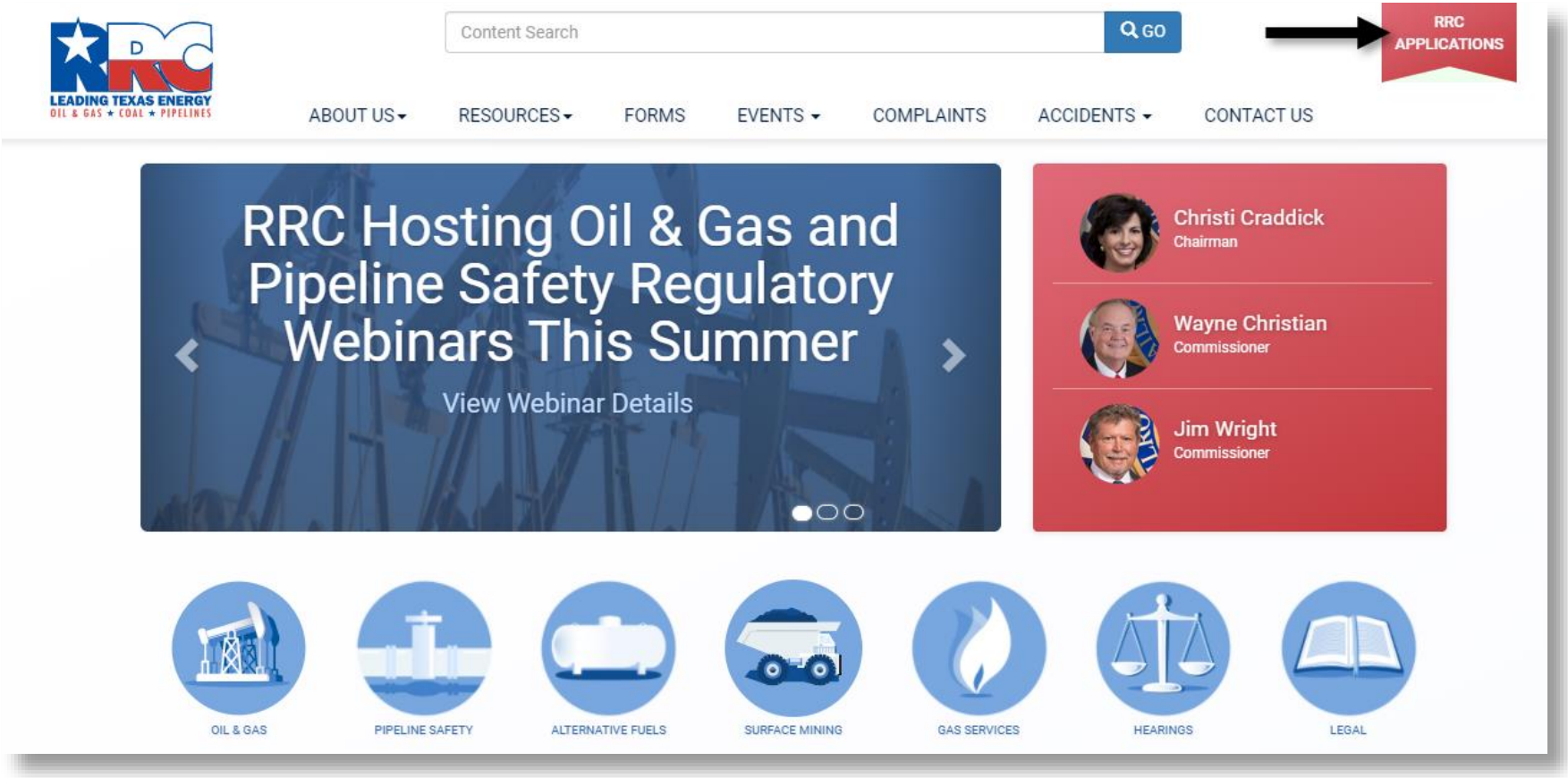
COMPLETIONS W-2/G-1

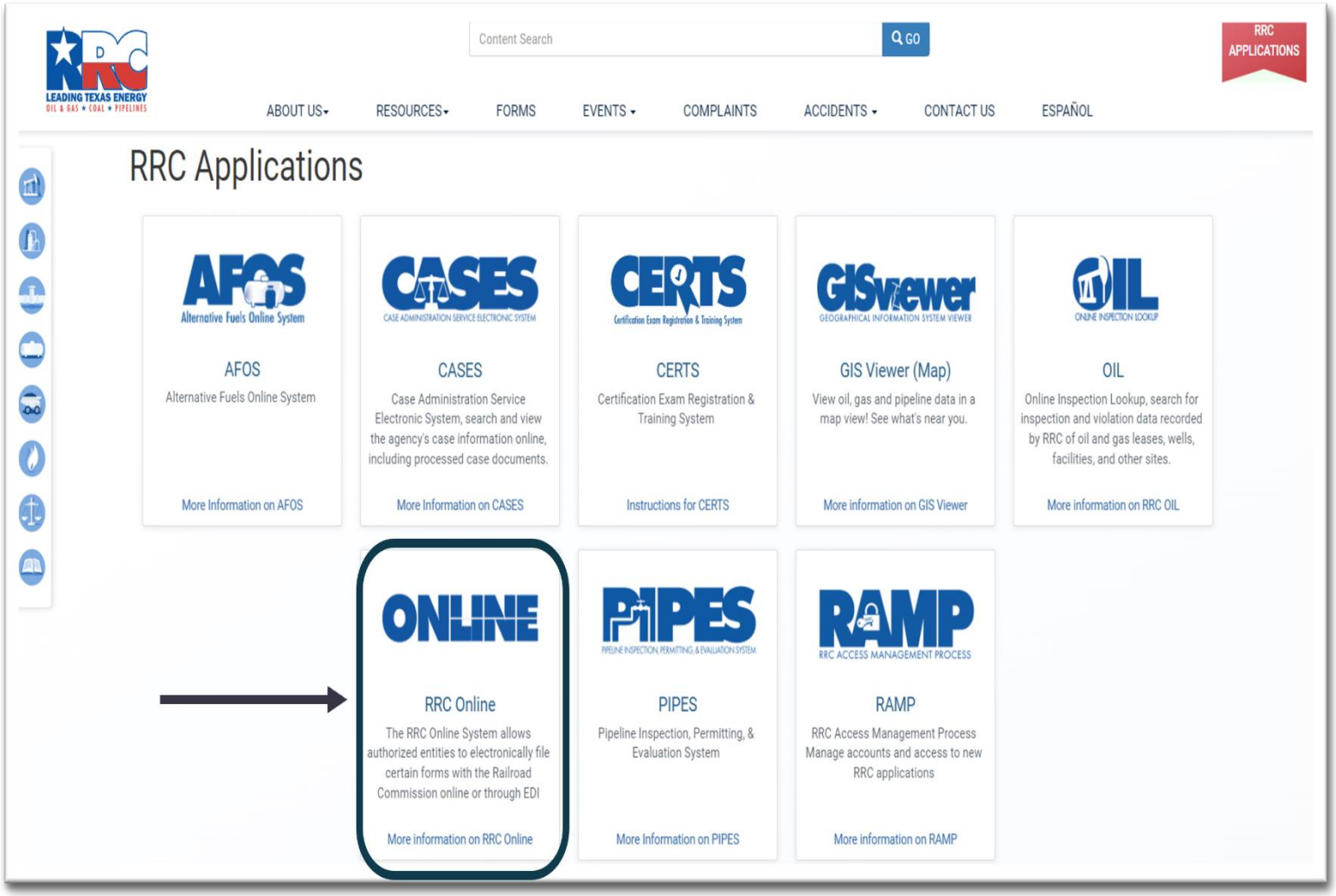
This presentation is a general overview of how to file Completion Reports utilizing the Railroad Commission of Texas Online Completion Filing System.

Navigating to the RRC Applications

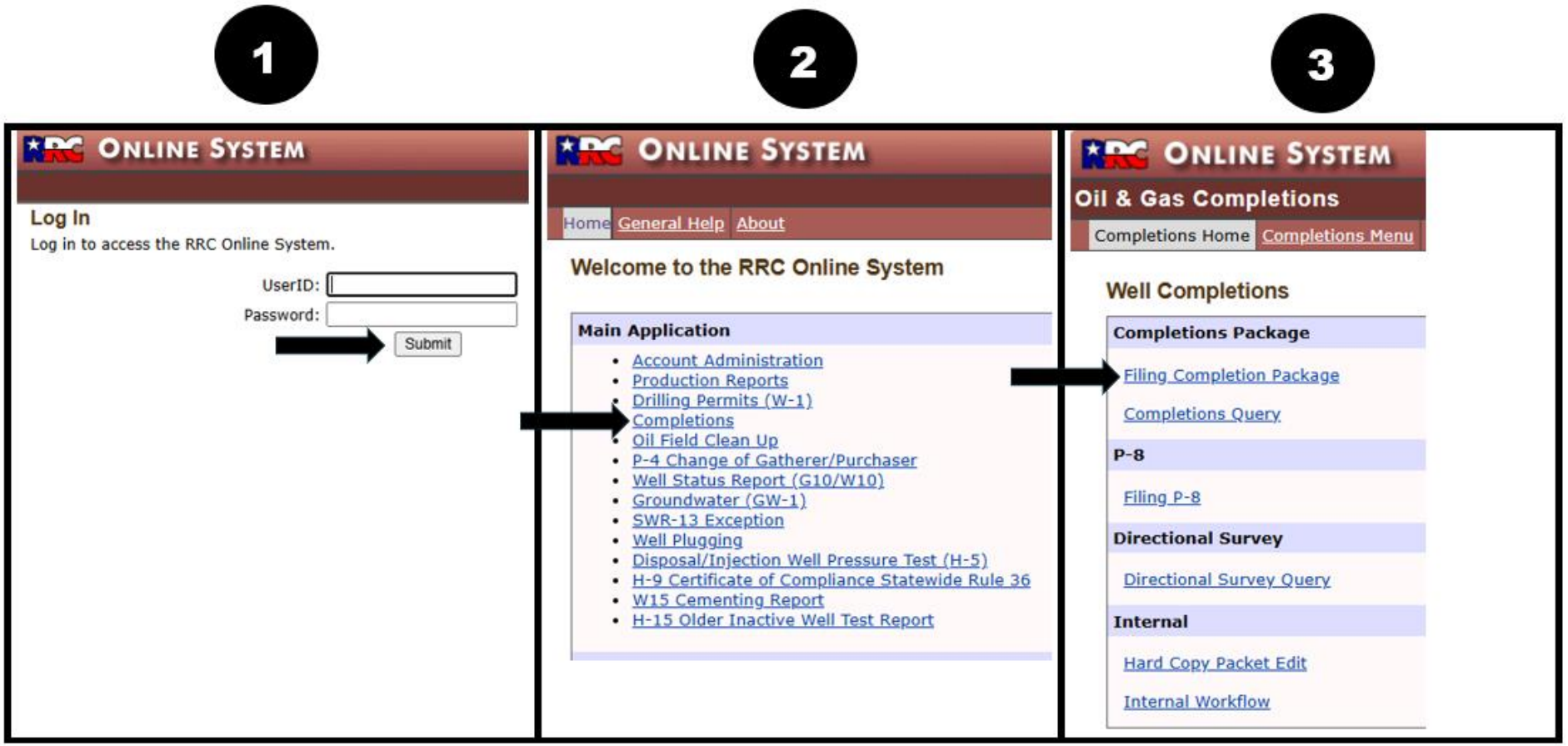
https://www.rrc.texas.gov/



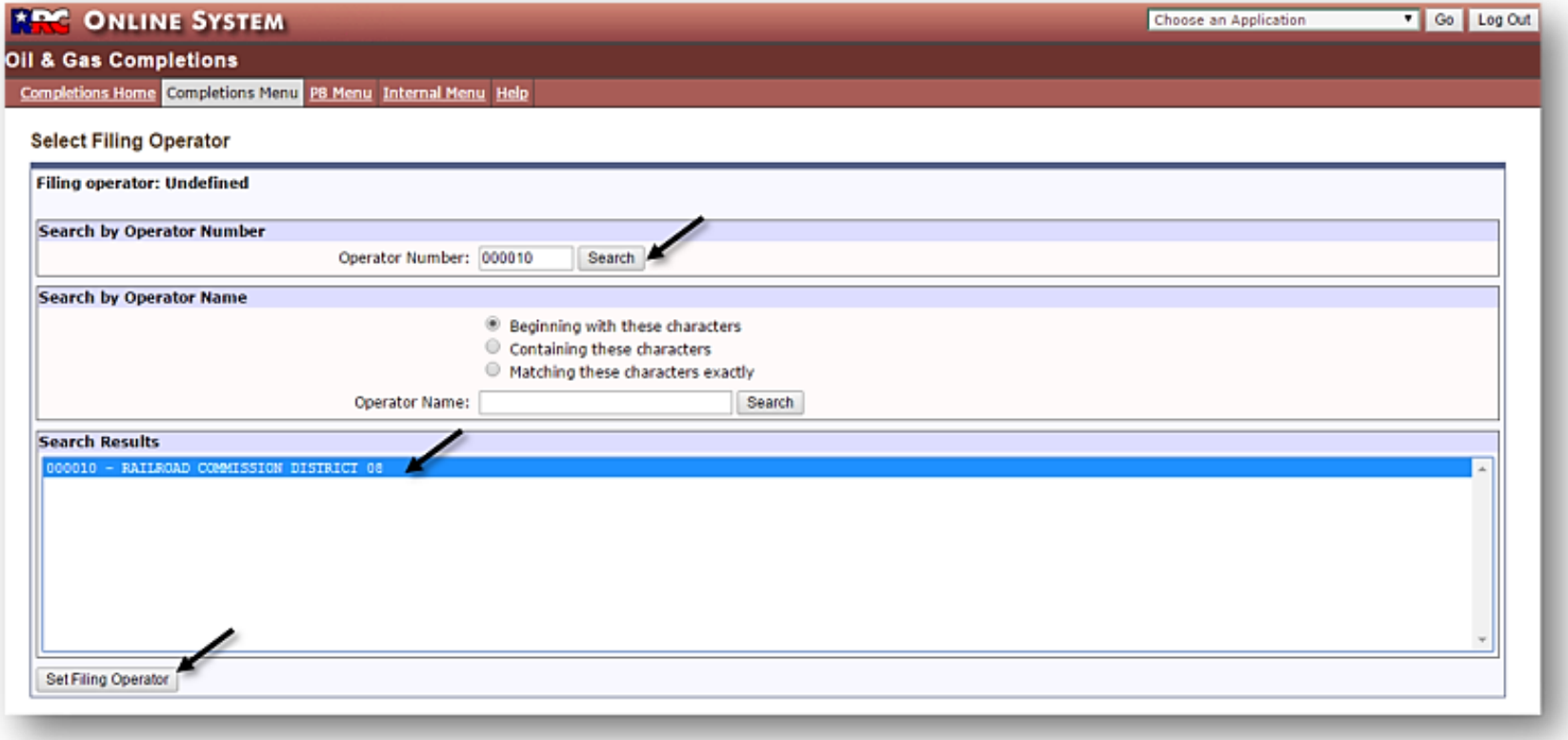
Selecting the Online System



Log In – Select Completions Application

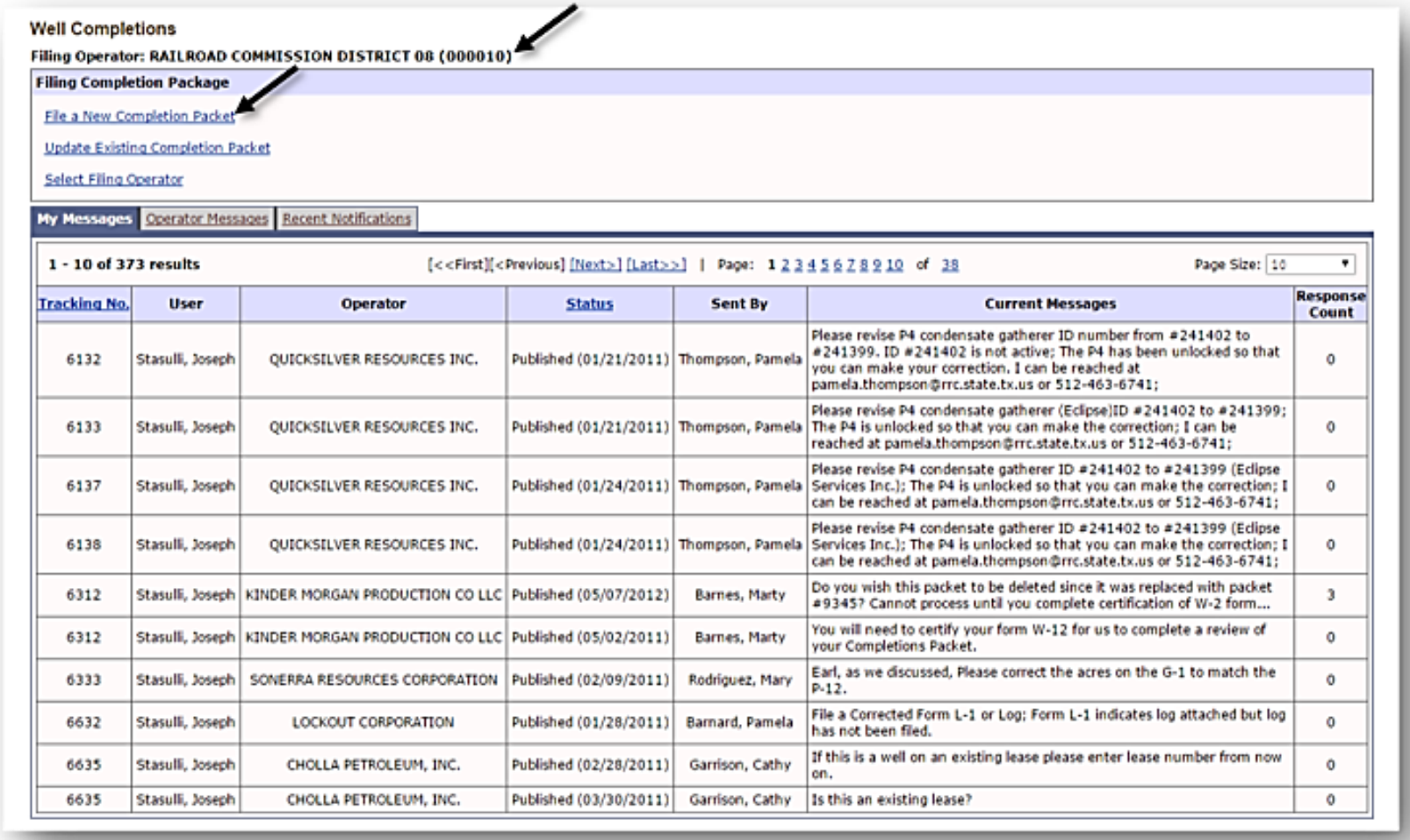


Select Filing Operator



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

Filing Options



Well Completions

Filing Operator: RAILROAD COMMISSION DISTRICT 08 (000010)

Filing Completion Package

File a New Completion Packet

Update Existing Completion Packet

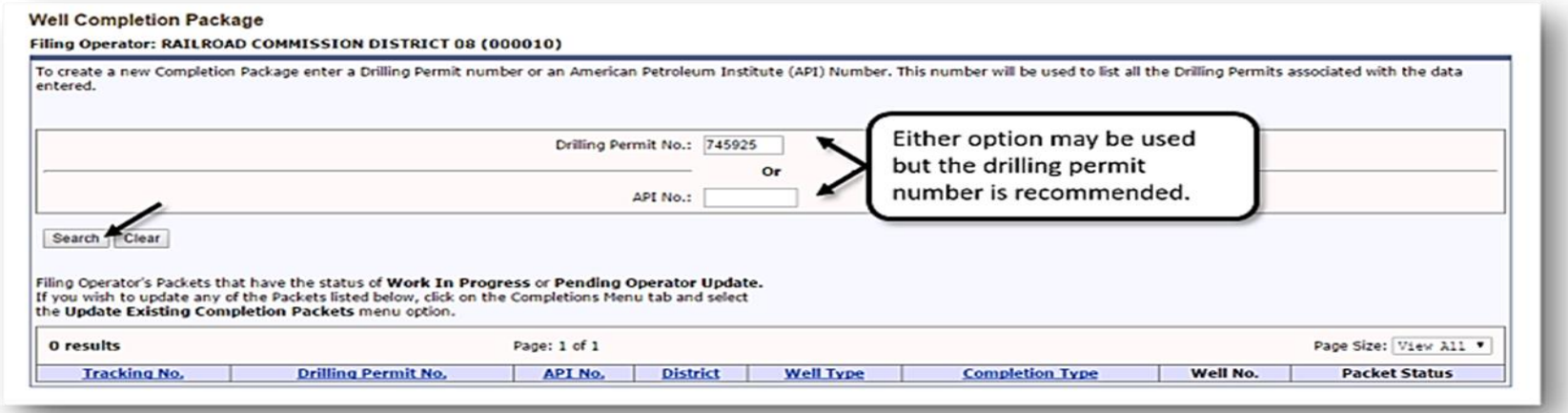
Select Filing Operator

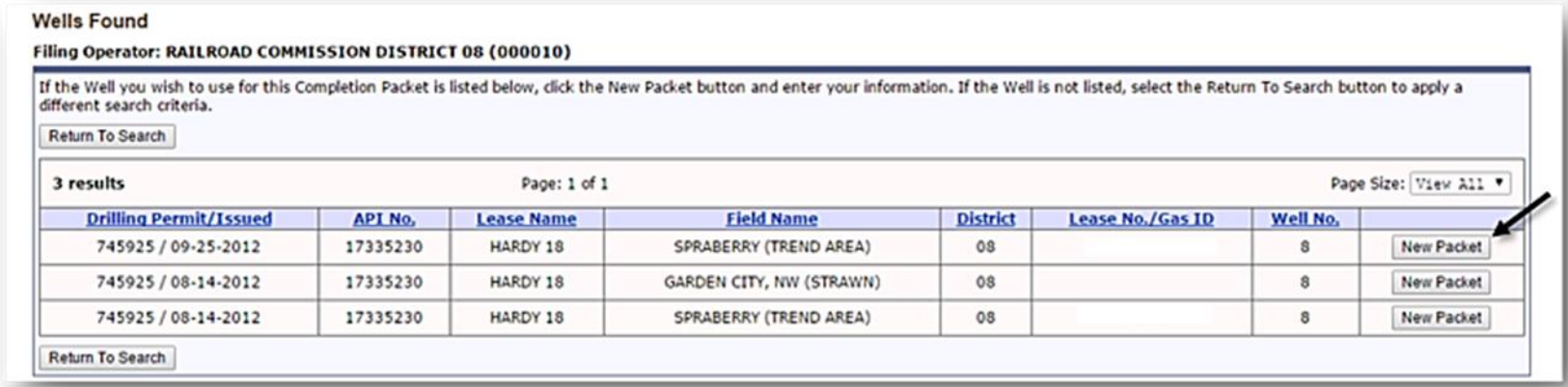
My Messages | Operator Messages | Recent Notifications

1 - 10 of 373 results [<<First][<Previous] [Next>] [Last>>] | 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	Stasulli, 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	Stasulli, 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	Stasulli, 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	Stasulli, 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	Stasulli, 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	Stasulli, 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	Stasulli, Joseph	SOVERRA 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	Stasulli, 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	Stasulli, 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	Stasulli, Joseph	CHOLLA PETROLEUM, INC.	Published (03/30/2011)	Garrison, Cathy	Is this an existing lease?	0

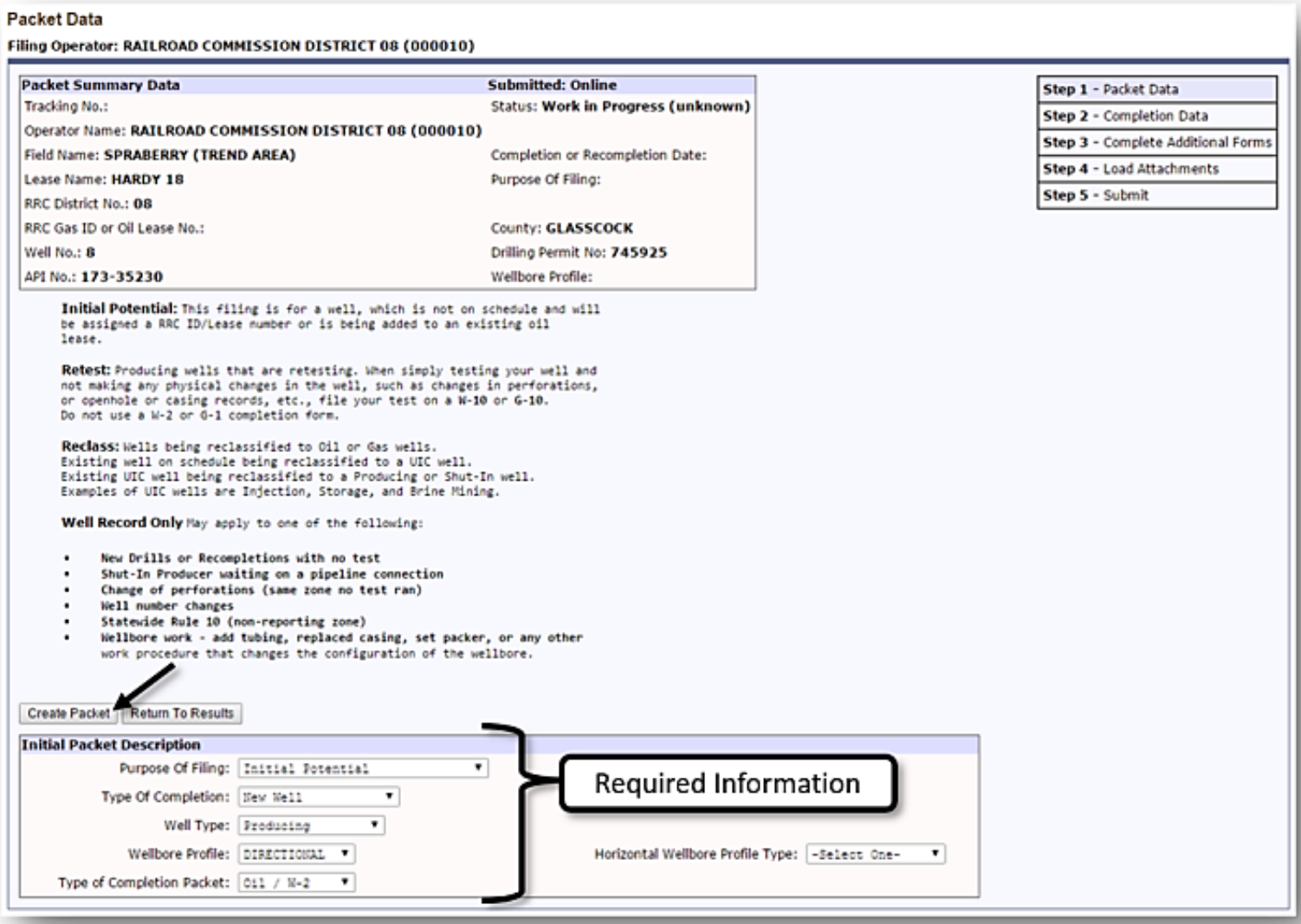
Identify the Well/Select the Field





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 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

PSA/Allocation Completion Type
PSA Allocation Not Applicable

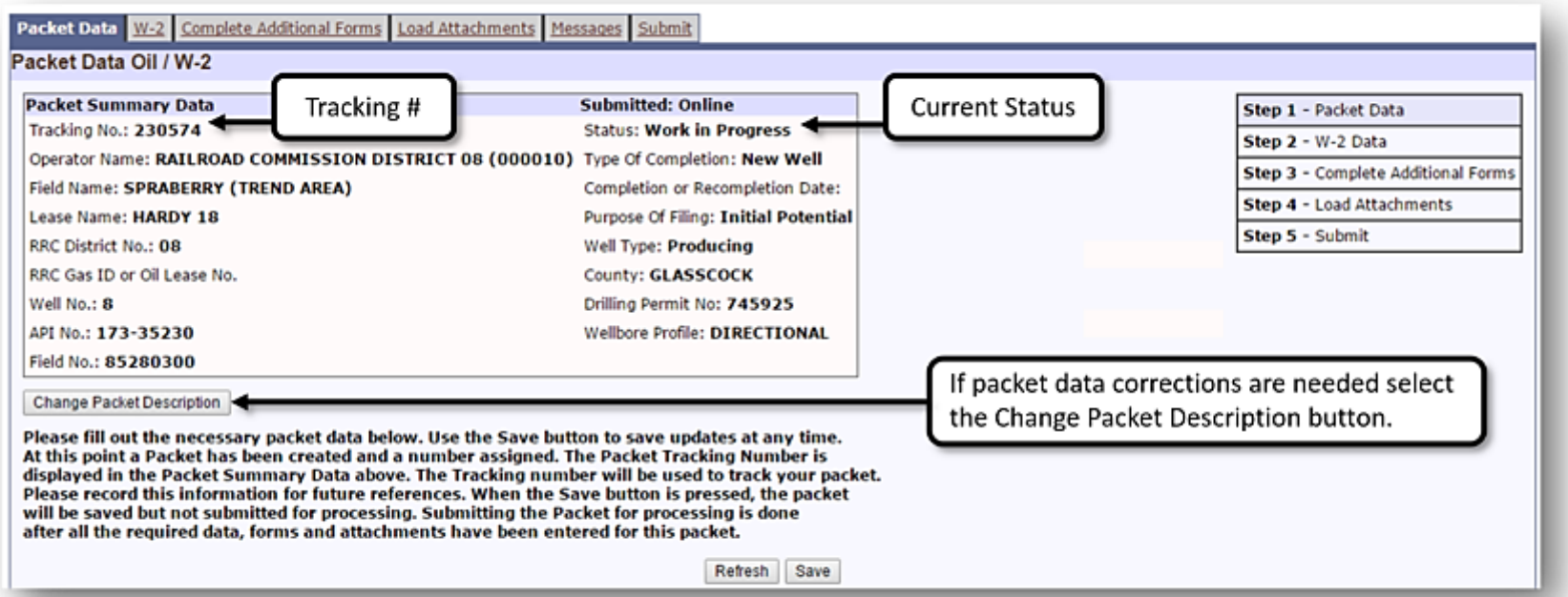
Type of Completion
New Well
Deepening
Plug Back
Sidetrack
Re-entry
Other/Recompletion

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

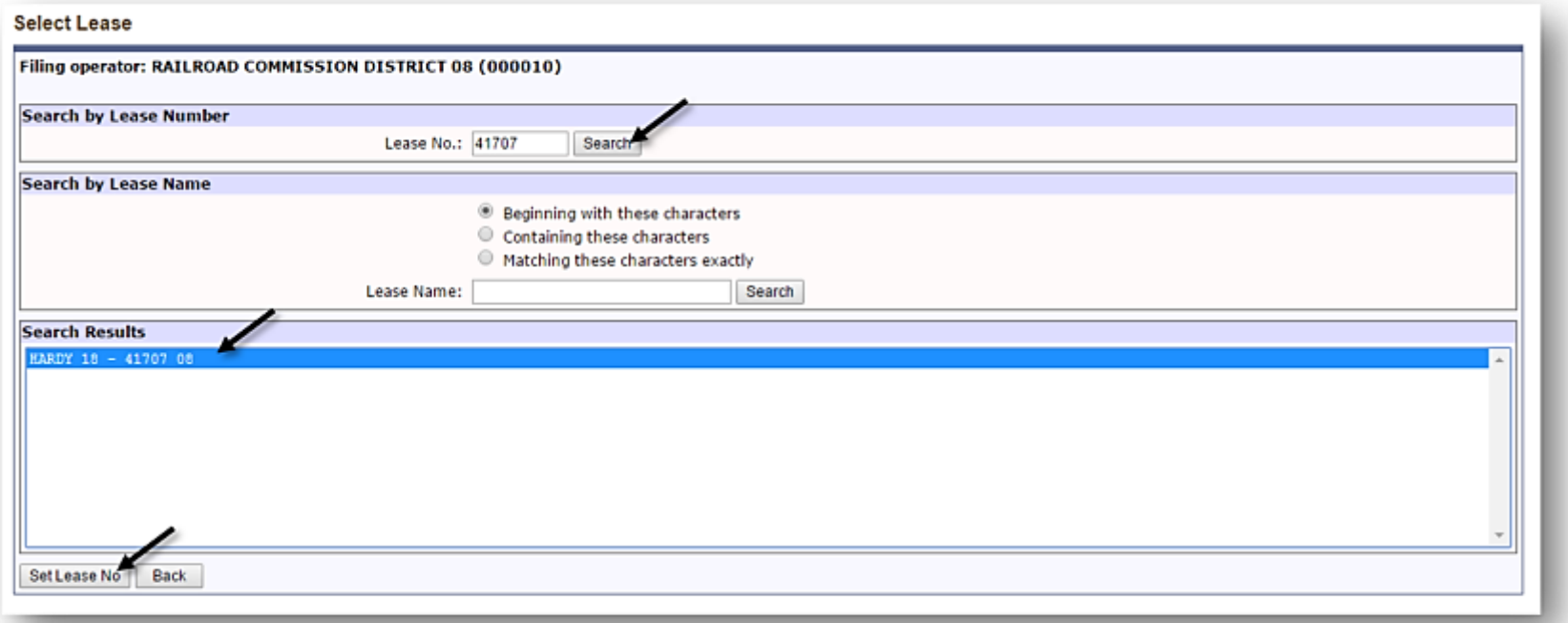
Well Type
Producing
Shut-In Producer
Active UIC
Shut-In UIC

Wellbore Profile
Horizontal
Directional
Vertical
Sidetrack

Verify Packet Data

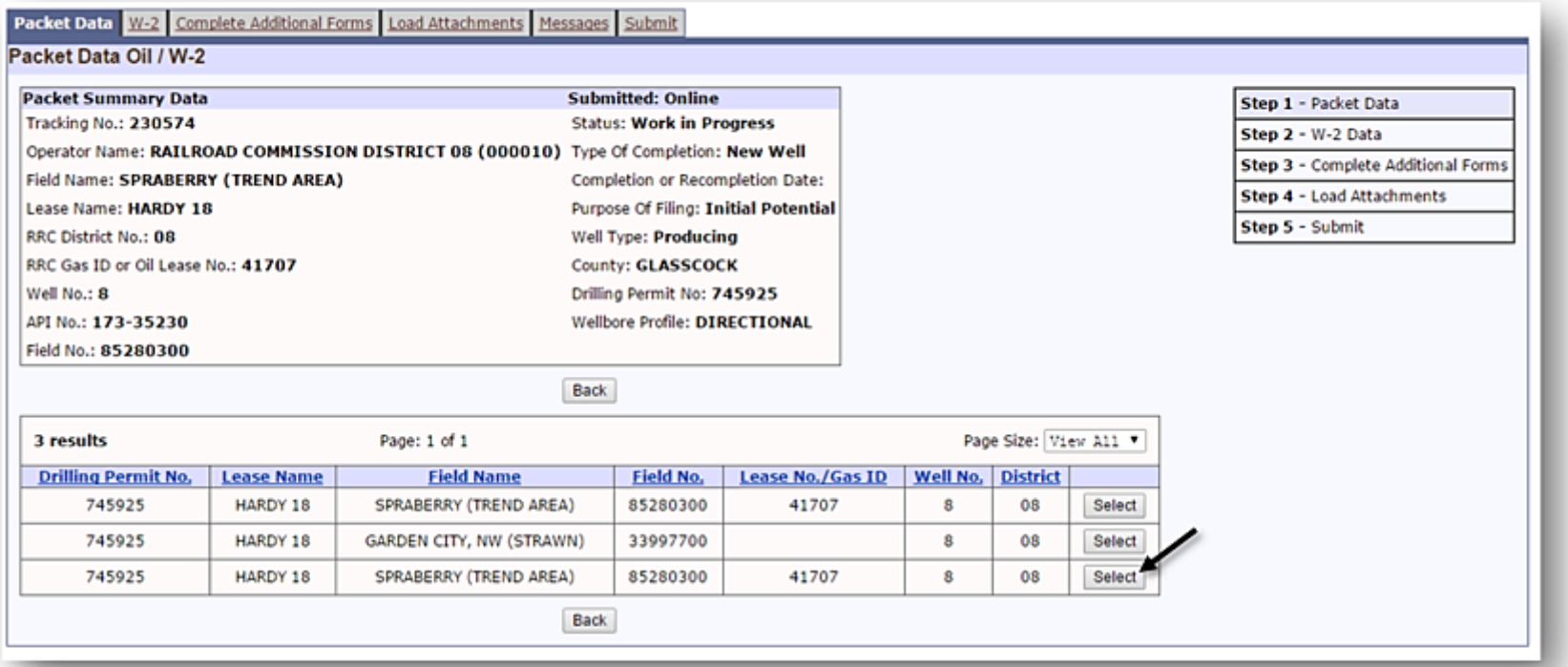


Setting the Lease Number



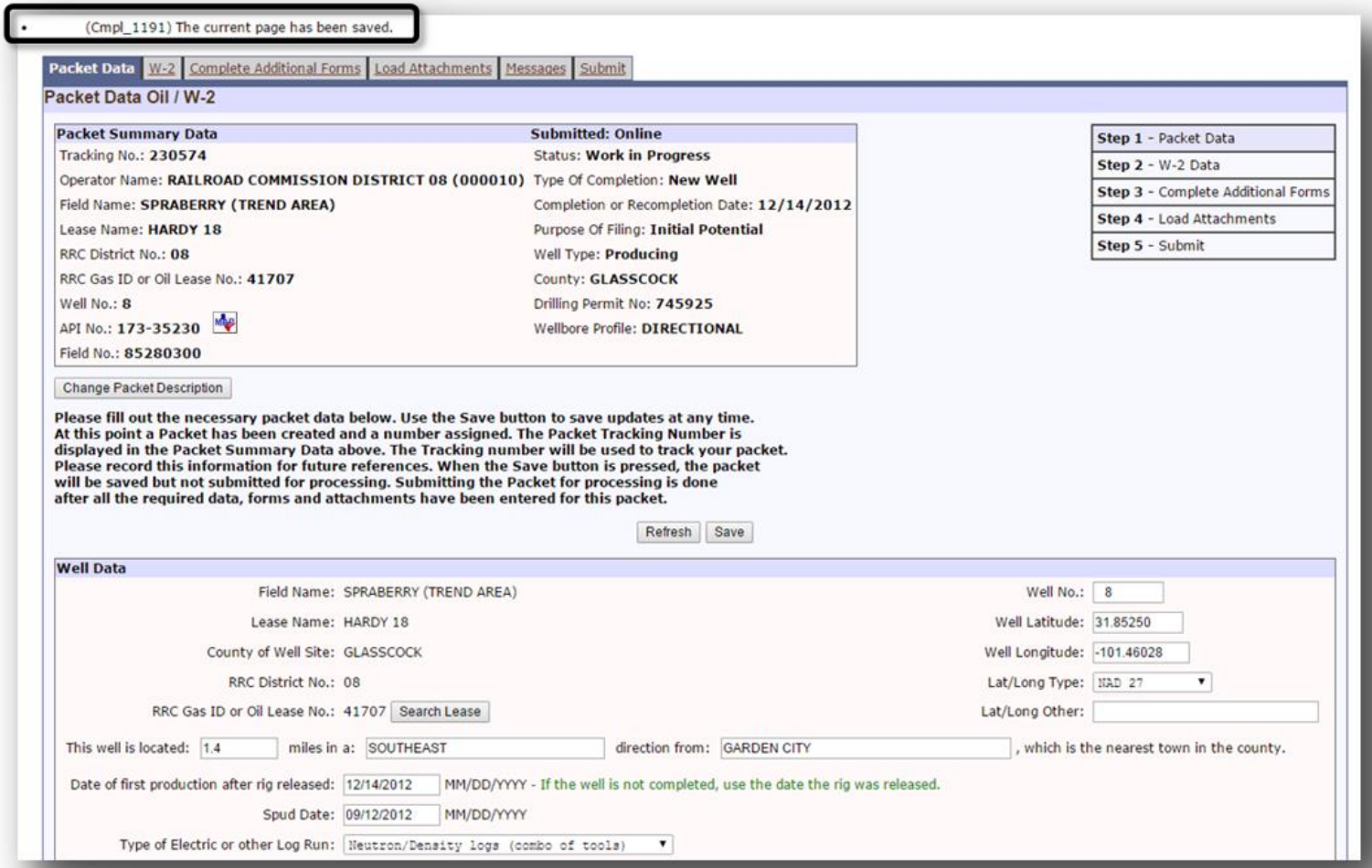
If this well is going onto an existing lease then you should be adding the lease number to the packet data at this time.

Search for Field & Reservoir

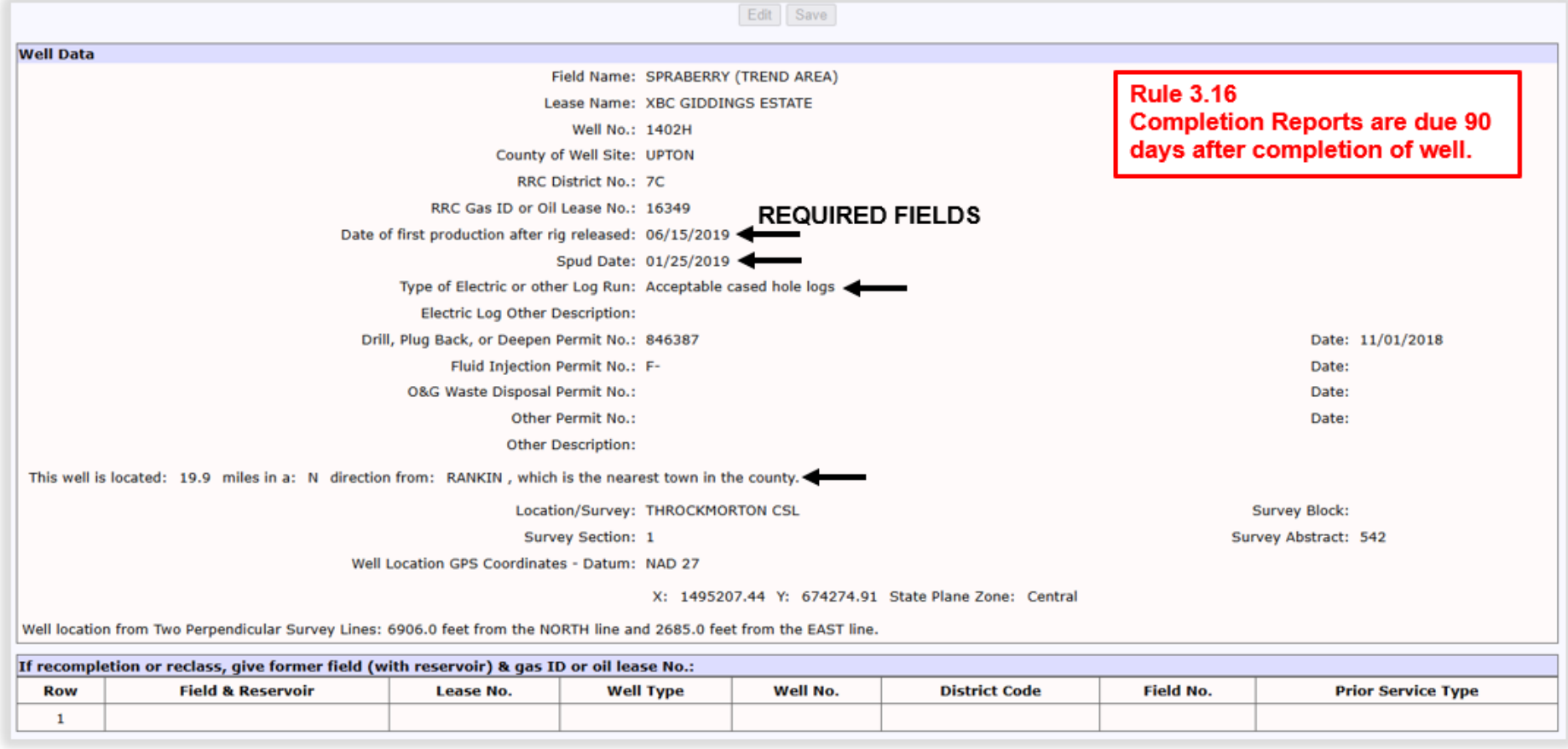


Always use the Search for Field & Reservoir button instead of manually keying the workover information. This will automatically fill in the workover information with the correct field number, well number etc.

Packet Data Successfully Saved



Well Data



Edit Save

Well Data

Field Name: SPRABERRY (TREND AREA)
Lease Name: XBC GIDDINGS ESTATE
Well No.: 1402H
County of Well Site: UPTON
RRC District No.: 7C
RRC Gas ID or Oil Lease No.: 16349
Date of first production after rig released: 06/15/2019
Spud Date: 01/25/2019
Type of Electric or other Log Run: Acceptable cased hole logs
Electric Log Other Description:
Drill, Plug Back, or Deepen Permit No.: 846387 Date: 11/01/2018
Fluid Injection Permit No.: F- Date:
O&G Waste Disposal Permit No.: Date:
Other Permit No.: Date:
Other Description:

This well is located: 19.9 miles in a: N direction from: RANKIN , which is the nearest town in the county.

Location/Survey: THROCKMORTON CSL Survey Block:
Survey Section: 1 Survey Abstract: 542
Well Location GPS Coordinates - Datum: NAD 27
X: 1495207.44 Y: 674274.91 State Plane Zone: Central

Well location from Two Perpendicular Survey Lines: 6906.0 feet from the NORTH line and 2685.0 feet from the EAST line.

Rule 3.16
Completion Reports are due 90 days after completion of well.

REQUIRED FIELDS

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							

Form W-2 Page 1 (Potential Test Data)

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

Potential Test Data

Date of Test:	07/10/2019	Hours Tested: 24
Production Method:	Pumping	Choke Size:
If Pumping, Pump Size:	4	Pump Type: ESP
Was swab used during this test?:	(•) No ( ) Yes	
Oil Produced Prior to Test:	16254.0 BBL	
Injection Gas/Oil Ratio:	CF/BBL	

Remarks:

Production During Test Period

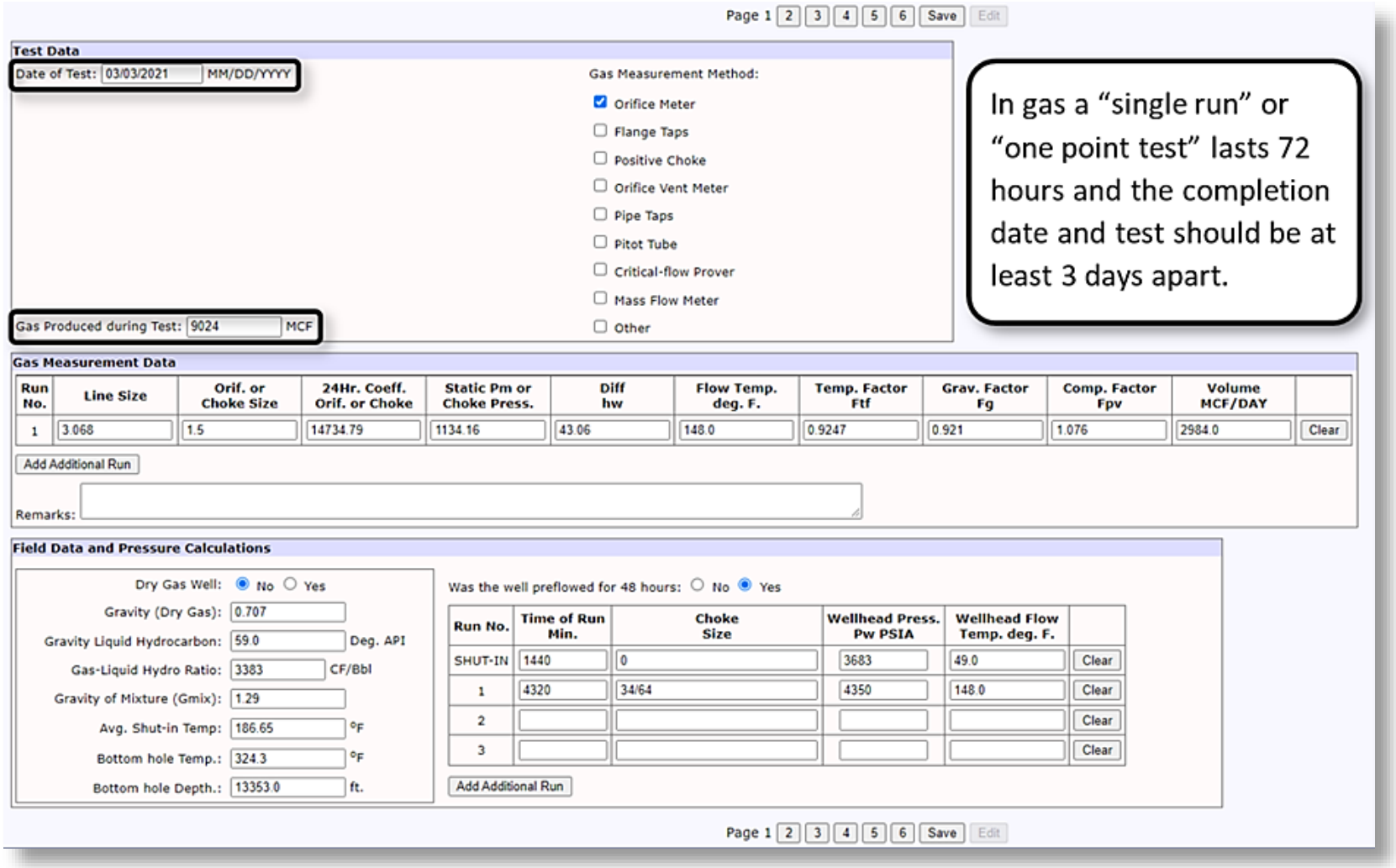
Oil:	1103.0 BBL	Gas:	1496 MCF
Water:	1864 BBL	Flowing Tubing Pressure:	PSIG
Gas - Oil Ratio:	1356 MCF/BBL x 1000		

Calculated 24 Hour Rate

Oil:	1103.0 BBL	Gas:	1496 MCF
Water:	1864 BBL	Oil Gravity:	42.3 API-60°F
Casing Pressure:	PSIG		

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

Form G-1 Page 1 (Test Data)



Page 1 2 3 4 5 6 Save Edit

Test Data

Date of Test: 03/03/2021 MM/DD/YYYY

Gas Measurement Method:

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

Gas Produced during Test: 9024 MCF

In gas a "single run" or "one point test" lasts 72 hours and the completion date and test should be at least 3 days apart.

Gas Measurement Data

Run No.	Line Size	Orif. or Choke Size	24Hr. Coeff. Orif. or Choke	Static Pm or Choke Press.	Diff hw	Flow Temp. deg. F.	Temp. Factor Ftf	Grav. Factor Fg	Comp. Factor Fpv	Volume MCF/DAY	
1	3.068	1.5	14734.79	1134.16	43.06	148.0	0.9247	0.921	1.076	2984.0	Clear

Add Additional Run

Remarks:

Field Data and Pressure Calculations

Dry Gas Well: No Yes

Gravity (Dry Gas): 0.707

Gravity Liquid Hydrocarbon: 59.0 Deg. API

Gas-Liquid Hydro Ratio: 3383 CF/Bbl

Gravity of Mixture (Gmix): 1.29

Avg. Shut-in Temp: 186.65 °F

Bottom hole Temp.: 324.3 °F

Bottom hole Depth.: 13353.0 ft.

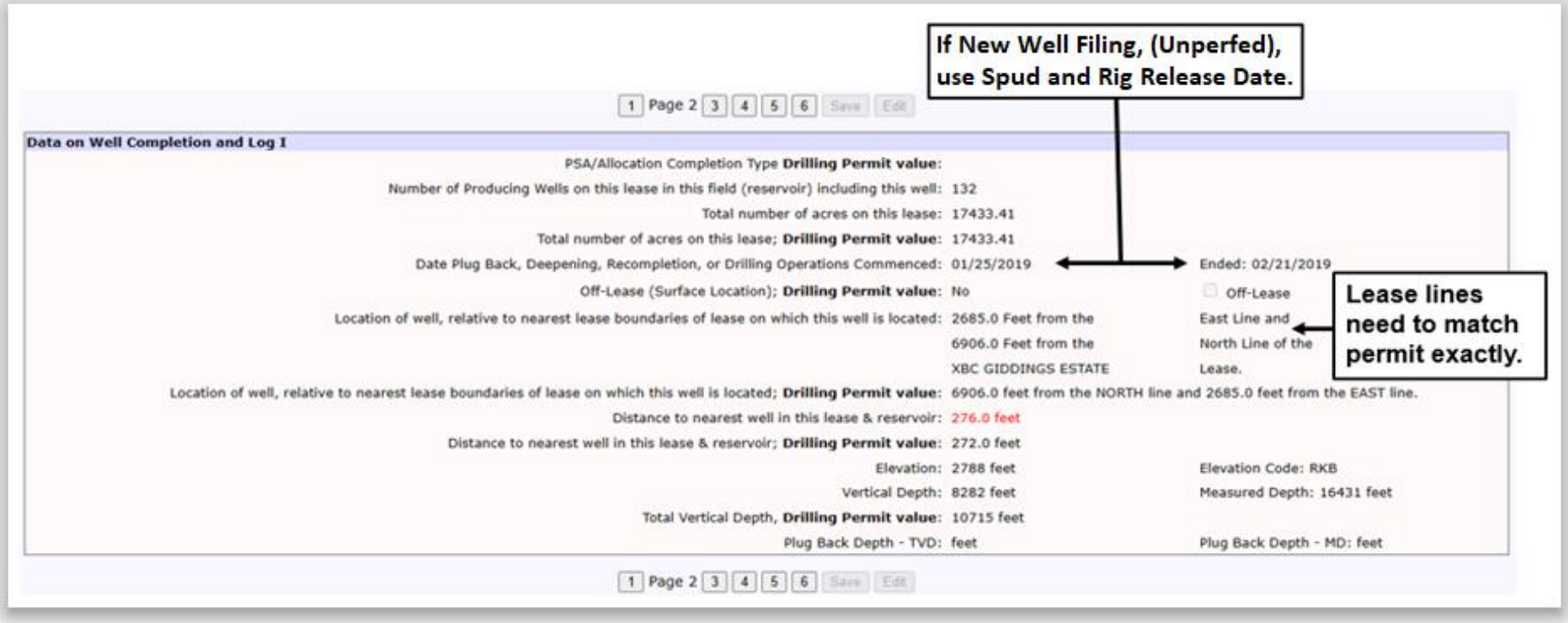
Was the well preflowed for 48 hours: No Yes

Run No.	Time of Run Min.	Choke Size	Wellhead Press. Pw PSIA	Wellhead Flow Temp. deg. F.	
SHUT-IN	1440	0	3683	49.0	Clear
1	4320	34/64	4350	148.0	Clear
2					Clear
3					Clear

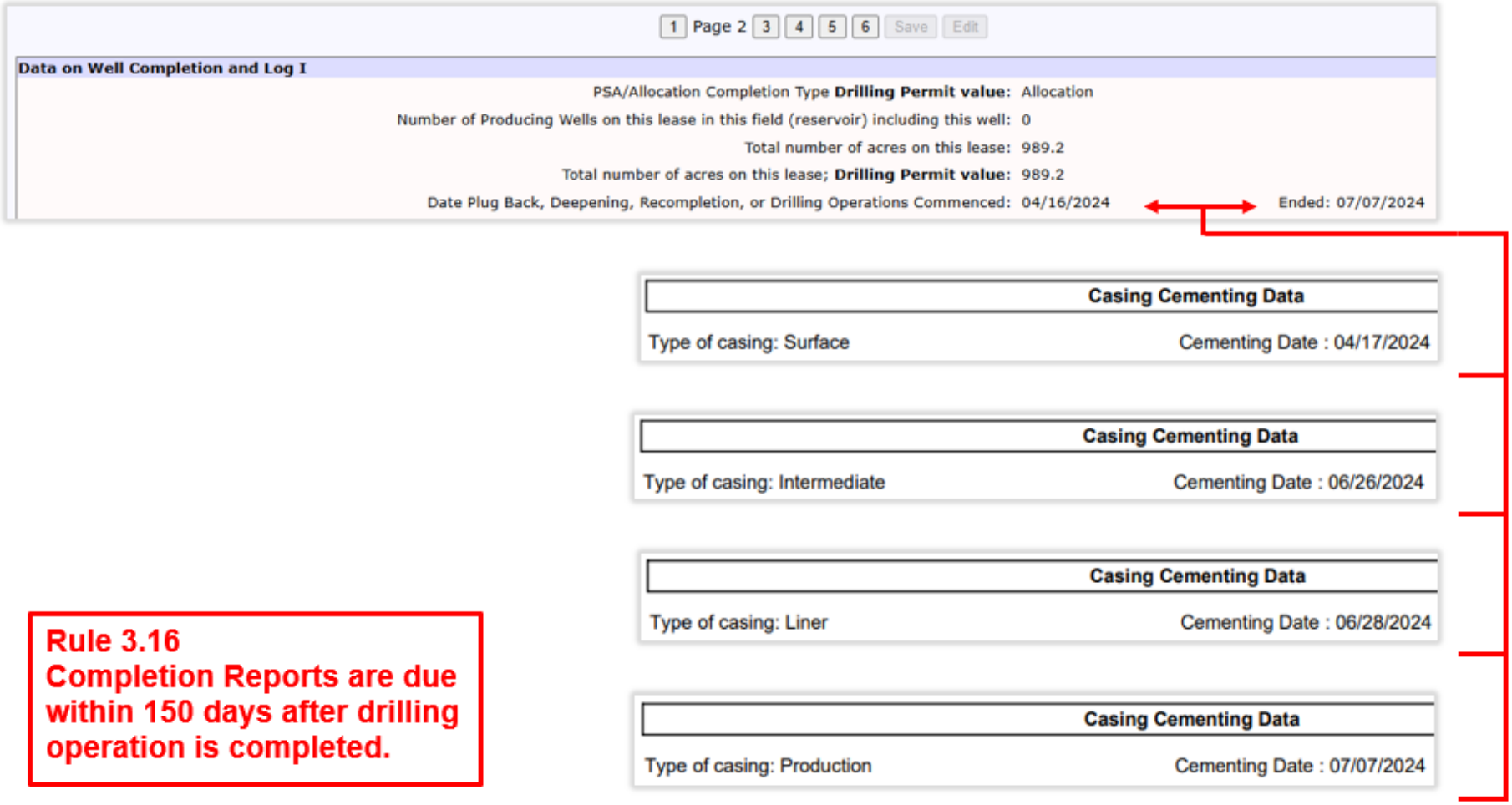
Add Additional Run

Page 1 2 3 4 5 6 Save Edit

Page 2 (Completion Data)

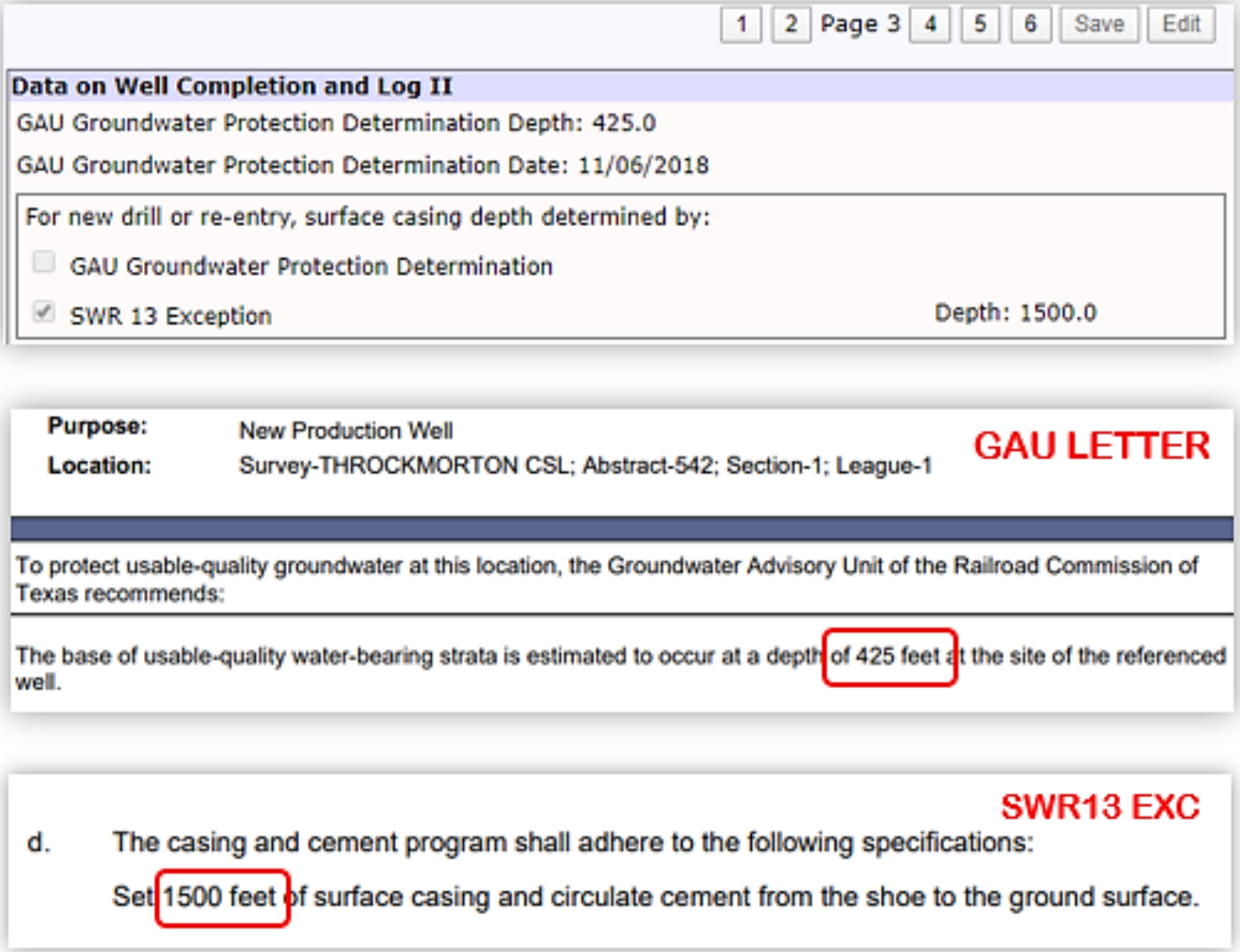


Page 2 (Drilling Operations)



Rule 3.16
Completion Reports are due within 150 days after drilling operation is completed.

Page 3 (Surface Casing Depth)



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

Data on Well Completion and Log II

GAU Groundwater Protection Determination Depth: 425.0

GAU Groundwater Protection Determination Date: 11/06/2018

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

- ☐ GAU Groundwater Protection Determination
- ☑ SWR 13 Exception — Depth: 1500.0

Purpose: New Production Well

Location: Survey-THROCKMORTON CSL; Abstract-542; Section-1; League-1

GAU LETTER

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

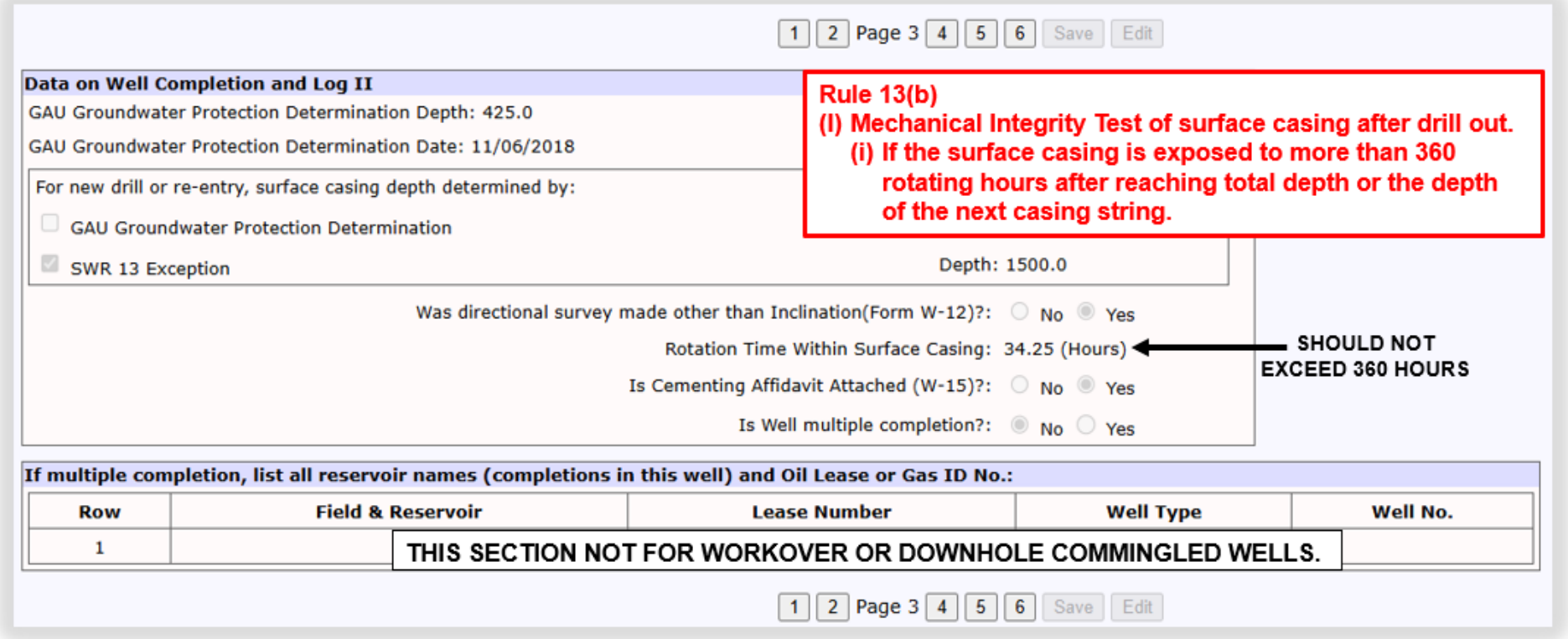
The base of usable-quality water-bearing strata is estimated to occur at a depth of 425 feet at the site of the referenced well.

SWR13 EXC

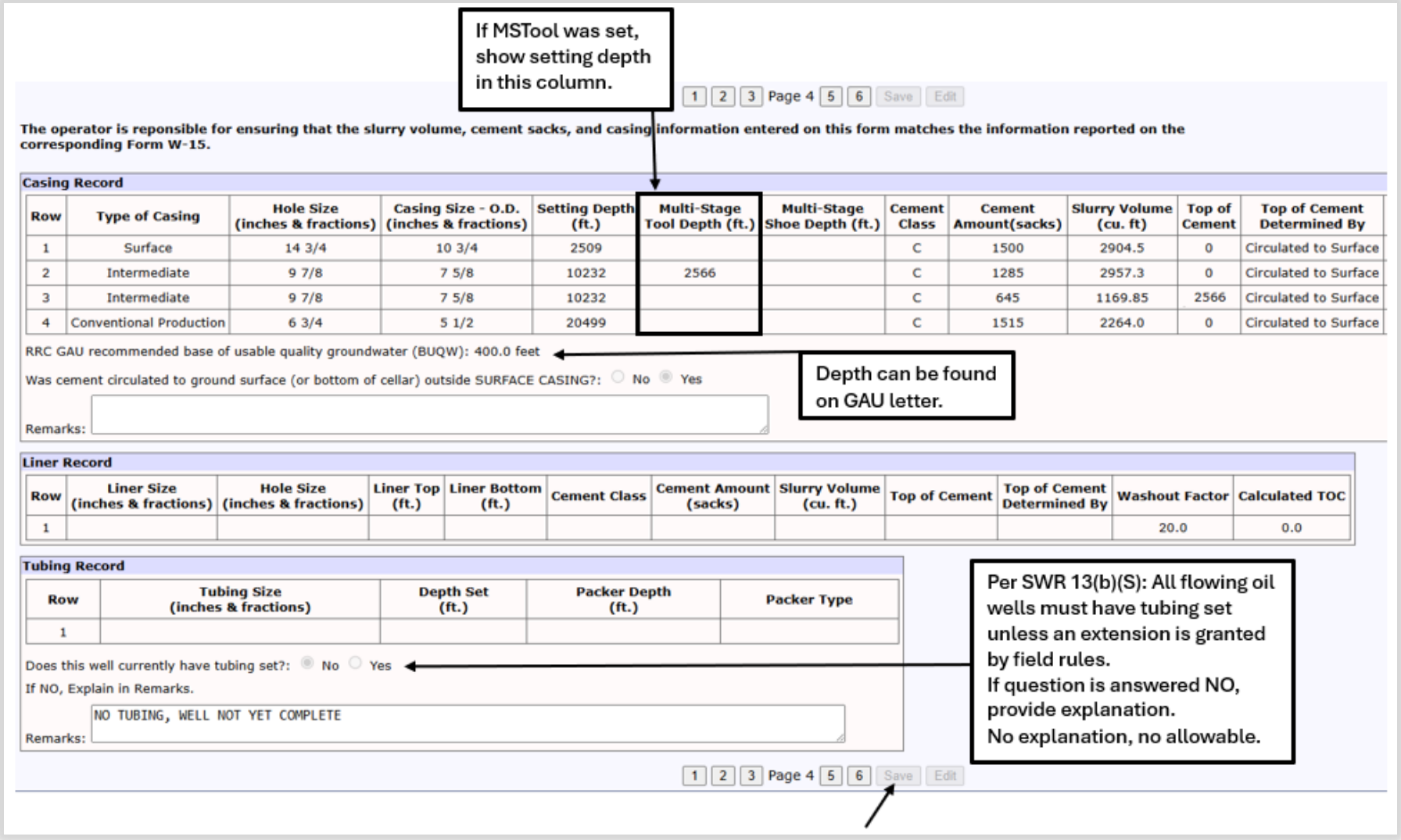
d. The casing and cement program shall adhere to the following specifications:

Set 1500 feet of surface casing and circulate cement from the shoe to the ground surface.

Page 3 (Rotation Time)



Page 4 (Casing, Liner & Tubing)



If MSTool was set, show setting depth in this column.

1 2 3 Page 4 5 6 Save Edit

The operator is reponsible 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	14 3/4	10 3/4	2509			C	1500	2904.5	0	Circulated to Surface
2	Intermediate	9 7/8	7 5/8	10232	2566		C	1285	2957.3	0	Circulated to Surface
3	Intermediate	9 7/8	7 5/8	10232			C	645	1169.85	2566	Circulated to Surface
4	Conventional Production	6 3/4	5 1/2	20499			C	1515	2264.0	0	Circulated to Surface

RRC GAU recommended base of usable quality groundwater (BUQW): 400.0 feet

Depth can be found on GAU letter.

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	Washout Factor	Calculated TOC
1										20.0	0.0

Tubing Record

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

Does this well currently have tubing set?: No Yes

If NO, Explain in Remarks.

Remarks: NO TUBING, WELL NOT YET COMPLETE

Per SWR 13(b)(S): All flowing oil wells must have tubing set unless an extension is granted by field rules.
If question is answered NO, provide explanation.
No explanation, no allowable.

1 2 3 Page 4 5 6 Save Edit

Page 4 (Tapered Casing)

Tapered Casing – Crossover depth in Casing Record.

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
1	Surface	20	16	996			A	985	1516.0	0
2	Intermediate	12 1/4	7 5/8	9957			H	2175	4091.0	500
3	Tapered Production	6 3/4	5 1/2	10074			H	1240	1750.9	5200
4	Tapered Production	6 3/4	5	21328			H	1240	1750.9	5200

Crossover depth shown here.

RRC GAU recommended base of usable quality groundwater (BUQW): 325.0 feet

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

Remarks:

Remarks not required.

Tapered Hole – Enter as one line showing largest hole size. Remarks should show depth hole size tapered.

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
1	Surface	17 1/2	13 3/8	499			C	520	696.8	0
2	Intermediate	12 1/4	9 5/8	8703			C	940	2333.0	6100
3	Intermediate	12 1/4	9 5/8	8703	5250		C	1710	4184.0	340
4	Conventional Production	8 3/4	5 1/2	15556			C	2290	5193.0	0

RRC GAU recommended base of usable quality groundwater (BUQW): 450.0 feet

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

Remarks: PRODUCTION- 8 3/4"- 8720' TO 9498 MD
8 1/2"- 8499 TO TD

Page 4 (Multi-Stage Example)

District **preference** –

- Order of Casing – visually easier to determine cement void
  - Per SWR-13, Operator must indicate Top of Cement (TOC).

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
1	Surface	17 1/2	13 3/8	593			C	605	810.0	0
2	Intermediate	12 1/4	9 5/8	8473	5350		C	1364	3105.0	250
3	Intermediate	12 1/4	9 5/8	8473			H, C	629	1255.0	5350
4	Conventional Production	8 1/2	5 1/2	18687			C	2345	3554.0	0

If Multi-Stage Tool (MST) did not open, include tool depth in Casing Record:

- Combine cement sacks, including if perforated & squeezed, into **one line only**.
- Add Remark “MST did not open”.
- Important to show depth of MST as it might affect future plugging procedure; 100’ plug will have to be placed across tool.

Page 4 (Liner)

Liner with Cement:

- W-15 will be attached to completion.

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
1	7	8 3/4	10492	10504	H	310	420.67	7832

Liner without Cement:

- Will **not** have W-15 attached to completion.
- Add Remark showing how liner was secured.

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
1	3 1/2	6 1/8	3106	7216	N/A- NO CEMENT PUMPED			

Page 4 (Tubing)

Does this well currently have tubing set? ◉ Yes

Tubing Record

Row	Tubing Size (inches & fractions)	Depth Set (ft.)	Packer Depth (ft.)	Packer Type
1	2 7/8	7900		

Does this well currently have tubing set?: ○ No ◉ Yes

If NO, Explain in Remarks.

Remarks:

☐ SWR 13 Exception for Tubing Record? (Attach approval)

Does this well currently have tubing set? ◉ No

- Explanation is required.

Tubing Record

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

Does this well currently have tubing set?: ◉ No ○ Yes

If NO, Explain in Remarks.

Remarks: SWR 13 EXCEPTION ATTACHED

☑ SWR 13 Exception for Tubing Record? (Attach approval)

Page 5

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	8761	16383	Horizontal	Lateral 1	☐

Remarks:

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

Depth Interval	From (feet)	To (feet)	Amount and Kind of Material Used	Process
1	8761.0	16383.0	SEE FRAC FOCUS	Fracture

Remarks:

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	YATES	☑	2503.8	2525.0	☑	
2	GRAYBURG	☑	4294.9	4359.1	☑	
3	SAN ANDRES - SALTWATER FLOW	☑	4524.2	4593.2	☑	
4	SPRABERRY	☑	7382.4	7471.2	☑	
5	WOLFCAMP	☐			☐	WELL IS NOT DEEP ENOUGH
6	STRAWN	☐			☐	WELL IS NOT DEEP ENOUGH
7	DEVONIAN	☐			☐	WELL IS NOT DEEP ENOUGH
8	FUSSELMAN	☐			☐	WELL IS NOT DEEP ENOUGH
9	ELLENBURGER	☐			☐	WELL IS NOT DEEP ENOUGH

Data on Well Completion and Log I

Remarks: KOP ~ 7765'. DIGITAL WELL LOG # 18323 SUBMITTED ON 6.25.19. W-2 WRO TRACKING # 216455 SUBMITTED ON 7.23.19.

Page 5 Open Hole or Unsuccessful

- **If Open Hole completion…**

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	4245	4570	Vertical		☐
2	5720	5735	Vertical		☑

Remarks: 5720'-5735' IS A SMALL NON PRODUCTIVE SECTION OF OH.

- List all perforations currently open.
- Select Open Hole.
- Select appropriate label, Bottom Hole or Lateral.

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

Depth Interval	From (feet)	To (feet)	Amount and Kind of Material Used	Process
1	4402.0	4570.0	5100 GAL 15% TAS, 2500 LB ROCK SALT	Acid

Remarks:

- **If initial completion unsuccessful, show how interval isolated…**

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					☐

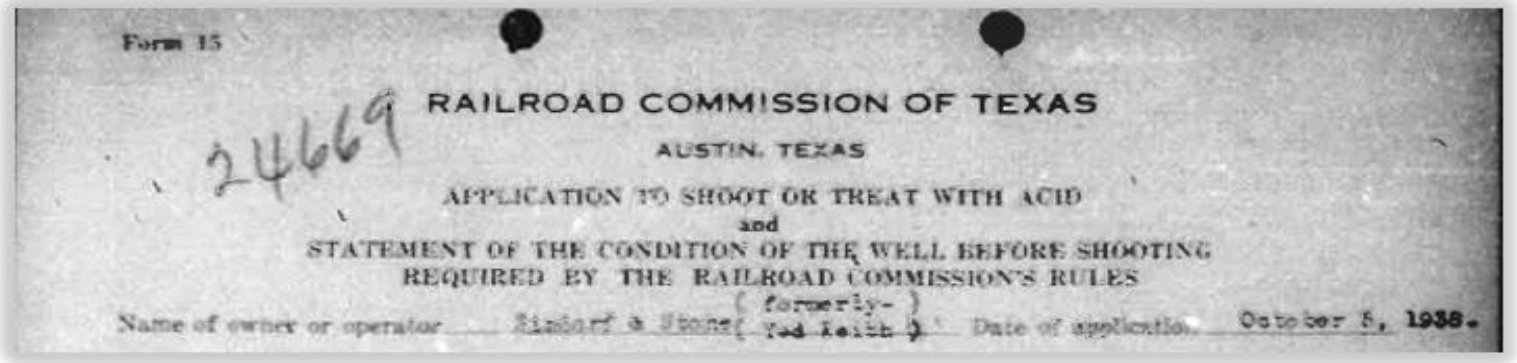
Remarks:

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

Depth Interval	From (feet)	To (feet)	Amount and Kind of Material Used	Process
1	4440.0	4583.0	CICR AT 4583; PUMPED 45 SKS CLASS C CEMENT. TAGGED TOP AT 4440	Retainer

Remarks:

1938 Well – J.H. King (7C-00871) Lease



Form 15

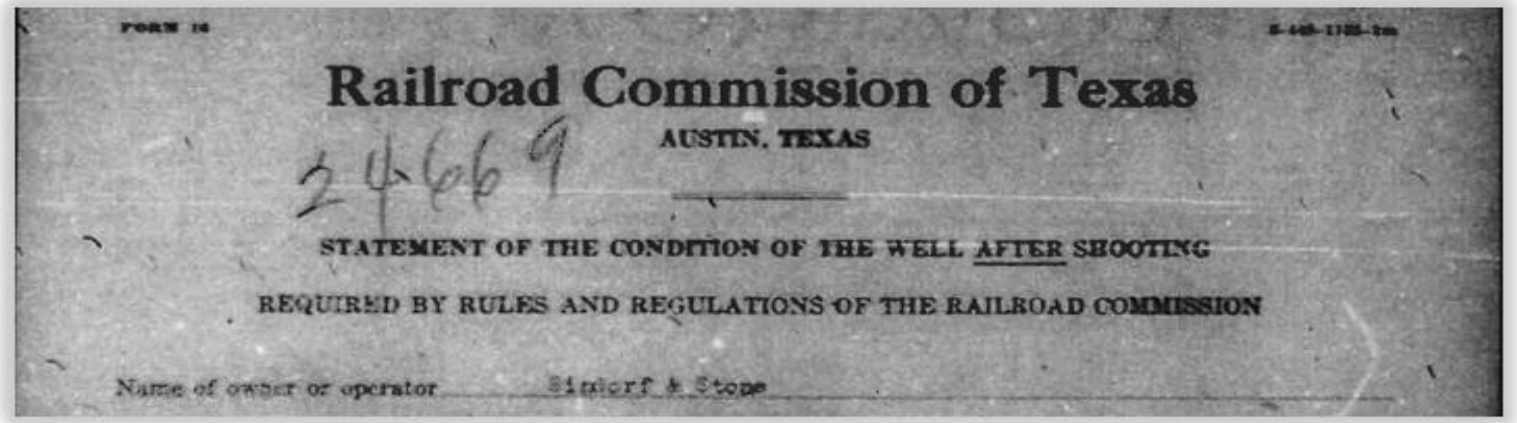
24669

RAILROAD COMMISSION OF TEXAS

AUSTIN, TEXAS

APPLICATION TO SHOOT OR TREAT WITH ACID
and
STATEMENT OF THE CONDITION OF THE WELL BEFORE SHOOTING
REQUIRED BY THE RAILROAD COMMISSION'S RULES

Name of owner or operator Sinclair & Stone (formerly- Ted Keith) Date of application October 5, 1938.



FORM 14

Railroad Commission of Texas

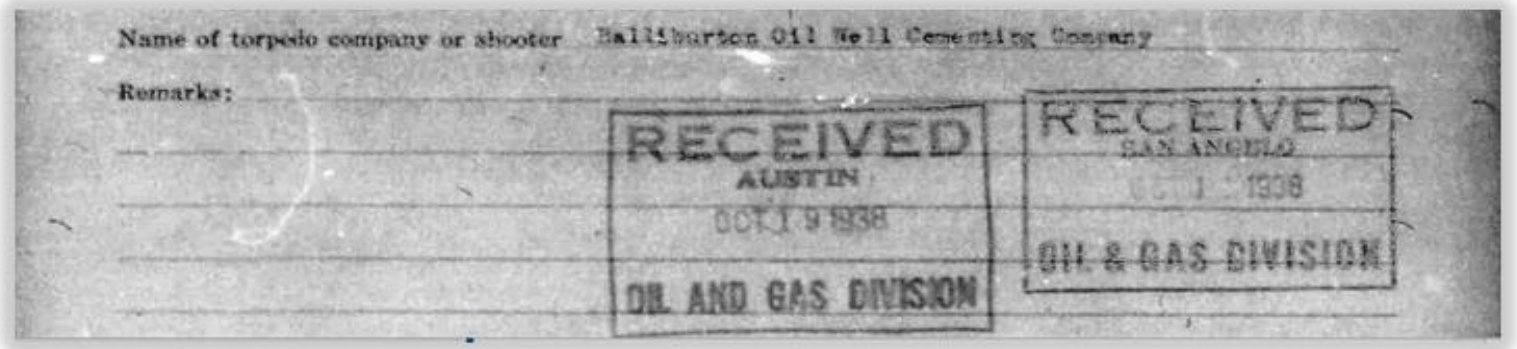
AUSTIN, TEXAS

24669

STATEMENT OF THE CONDITION OF THE WELL AFTER SHOOTING

REQUIRED BY RULES AND REGULATIONS OF THE RAILROAD COMMISSION

Name of owner or operator Sinclair & Stone



Name of torpedo company or shooter Halliburton Oil Well Cementing Company

Remarks:

RECEIVED
AUSTIN
OCT 19 1938
OIL AND GAS DIVISION

RECEIVED
SAN ANGELO
OCT 1 1938
OIL & GAS DIVISION

Page 5 *When to mark “encountered?”

Row	Principle Markers and Formation Tops	Encountered	Depth - TVD (feet)
1	RED BLUFF	☐	
2	DELAWARE	☑	5071.0
3	BELL CANYON	☑	5071.0
4	CHERRY CANYON	☑	6030.0
5	BRUSHY CANYON	☑	7329.0
6	BONE SPRING	☑	8866.0
7	WOLFCAMP	☑	11899.0
8	PENNSYLVANIAN	☐	
9	STRAWN	☐	
10	ATOKA - HIGH PRESSURE	☐	
11	MORROW	☐	
12	DEVONIAN	☐	
13	FUSSELMAN	☐	
14	ELLENBURGER	☐	
15	PRECAMBRIAN (UNDIFFERENTIATED)	☐	

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.).

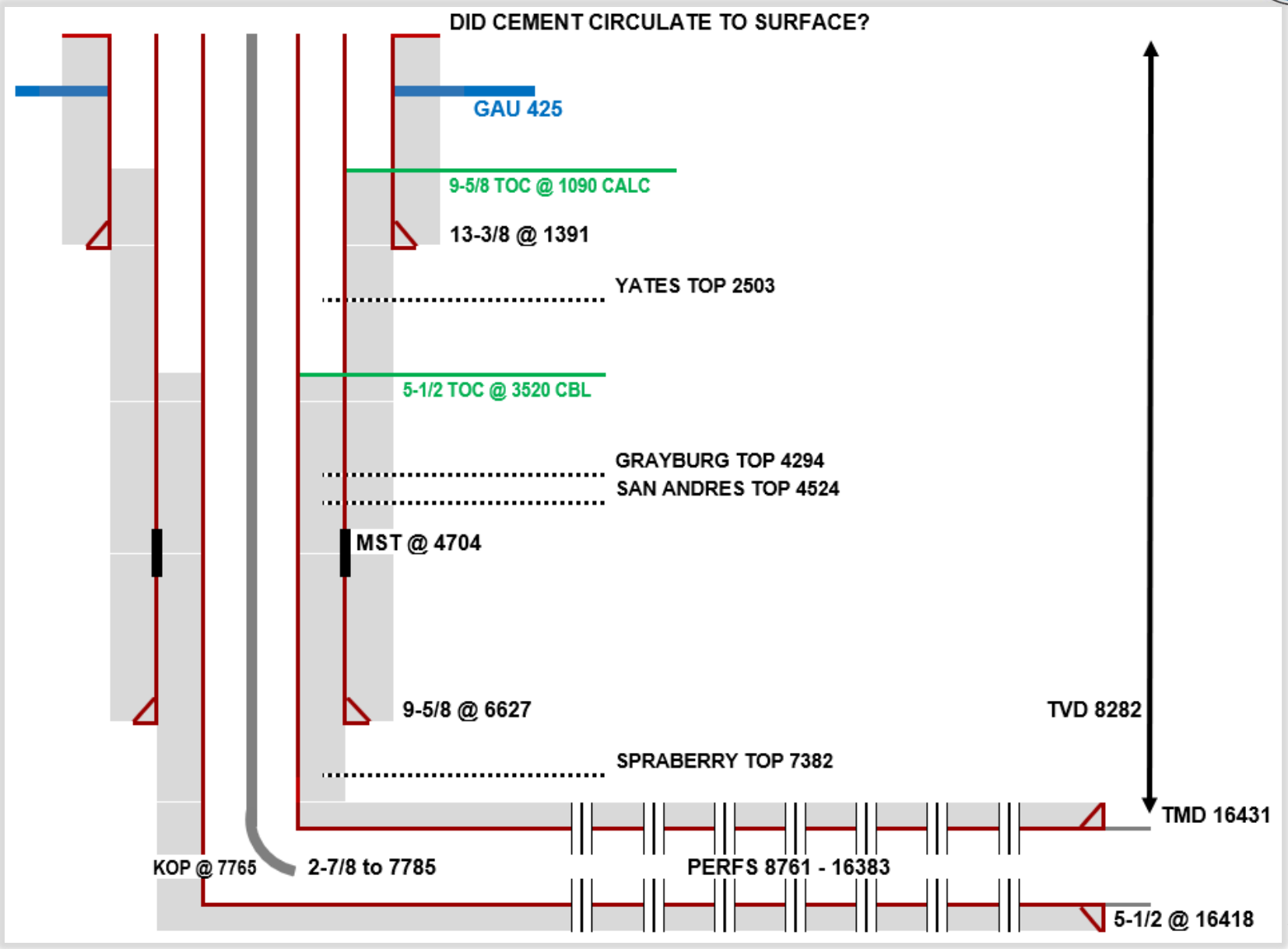
Page 5 *When to mark “isolated?”

Row	Principle Markers and Formation Tops	Depth - MD (feet)	Isolated	Remarks
1	RED BLUFF		☐	NOT GEOLOGICALLY PRESENT
2	DELAWARE	5071.0	☑	SAME AS TOP OF BELL CANYON
3	BELL CANYON	5071.0	☑	
4	CHERRY CANYON	6030.0	☑	
5	BRUSHY CANYON	7329.0	☑	
6	BONE SPRING	8866.0	☑	3RD BONE SPRING @ 11,368' MD
7	WOLFCAMP	11946.0	☑	TARGET
8	PENNSYLVANIAN		☐	BELOW TD
9	STRAWN		☐	BELOW TD
10	ATOKA - HIGH PRESSURE		☐	BELOW TD
11	MORROW		☐	BELOW TD
12	DEVONIAN		☐	BELOW TD
13	FUSSELMAN		☐	BELOW TD
14	ELLENBURGER		☐	BELOW TD
15	PRECAMBRIAN (UNDIFFERENTIATED)		☐	BELOW TD

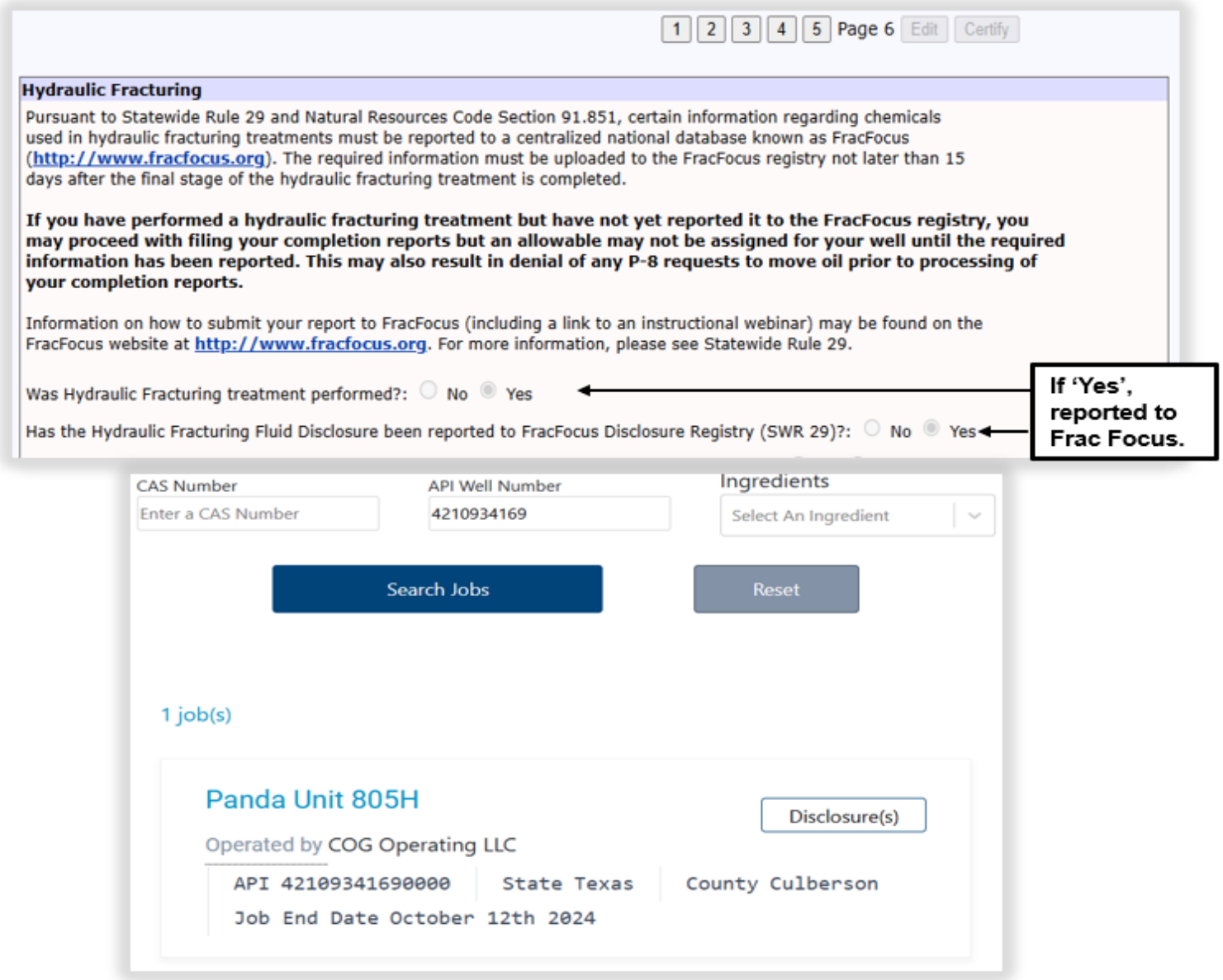
When to mark “isolated” in the formation record section?

- “Isolated” means that the formation/zone has been isolated by cemented casing pursuant to SWR 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 SWR 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 the remarks as to why the formation/zone was not isolated.

Page 4 & 5 (Wellbore Diagram)



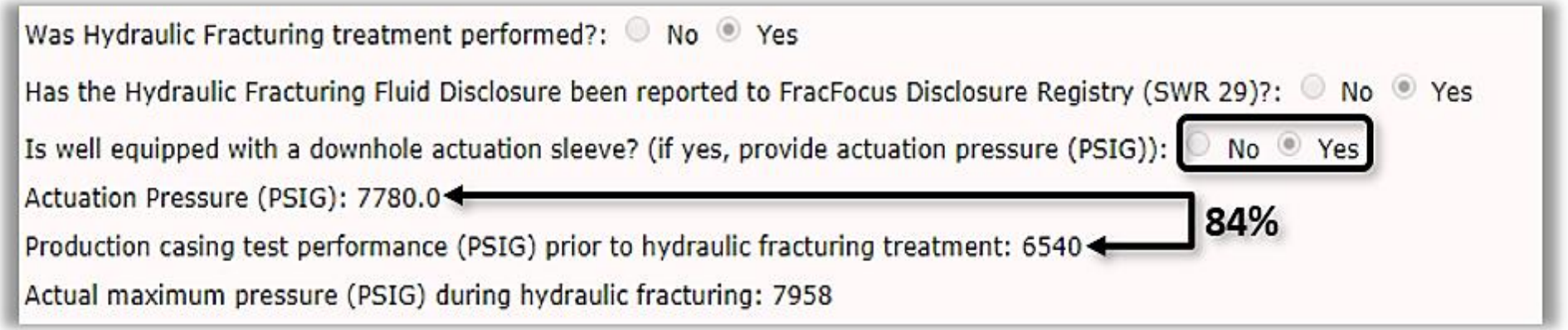
Page 6 (Hydraulic Fracturing)



Page 6 (Actuation Pressure)

Is well equipped with a downhole actuation sleeve?

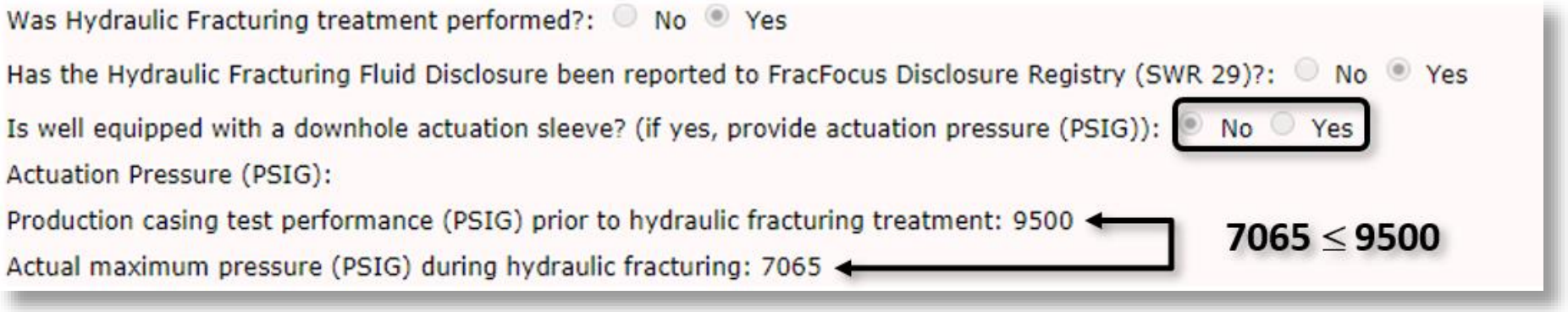
If **yes**, production casing test pressure must be >= 80% of the actuation pressure.



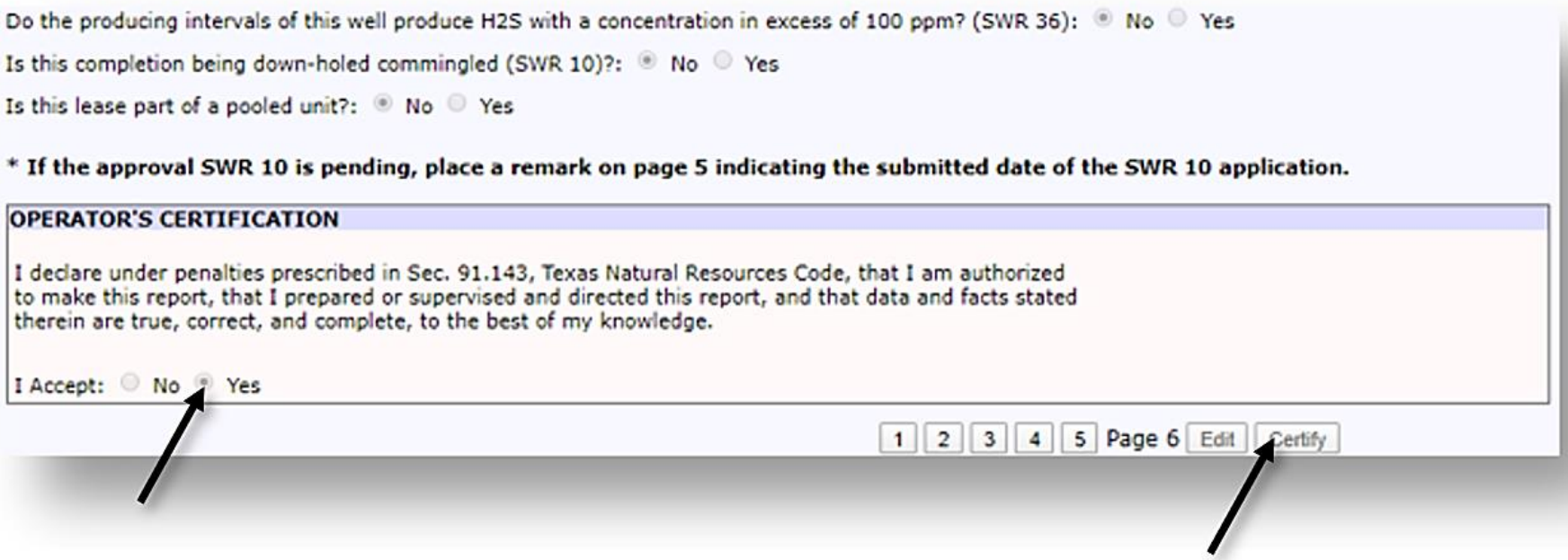
Page 6 (Actual Maximum Pressure)

Is well equipped with a downhole actuation sleeve?

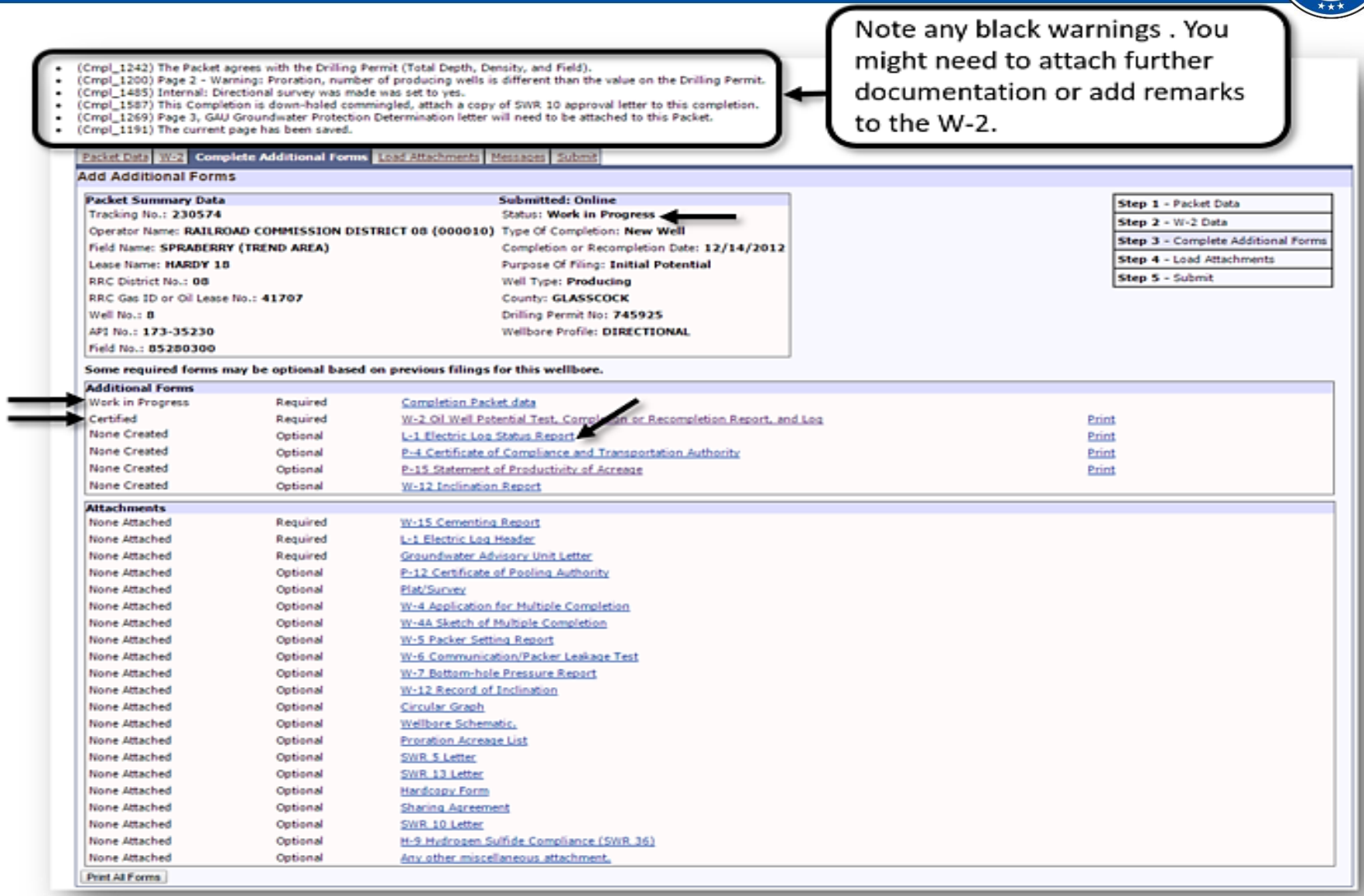
If **no** downhole actuation sleeve, Actual Maximum Pressure should be less than or equal to Production Casing Test Performance.



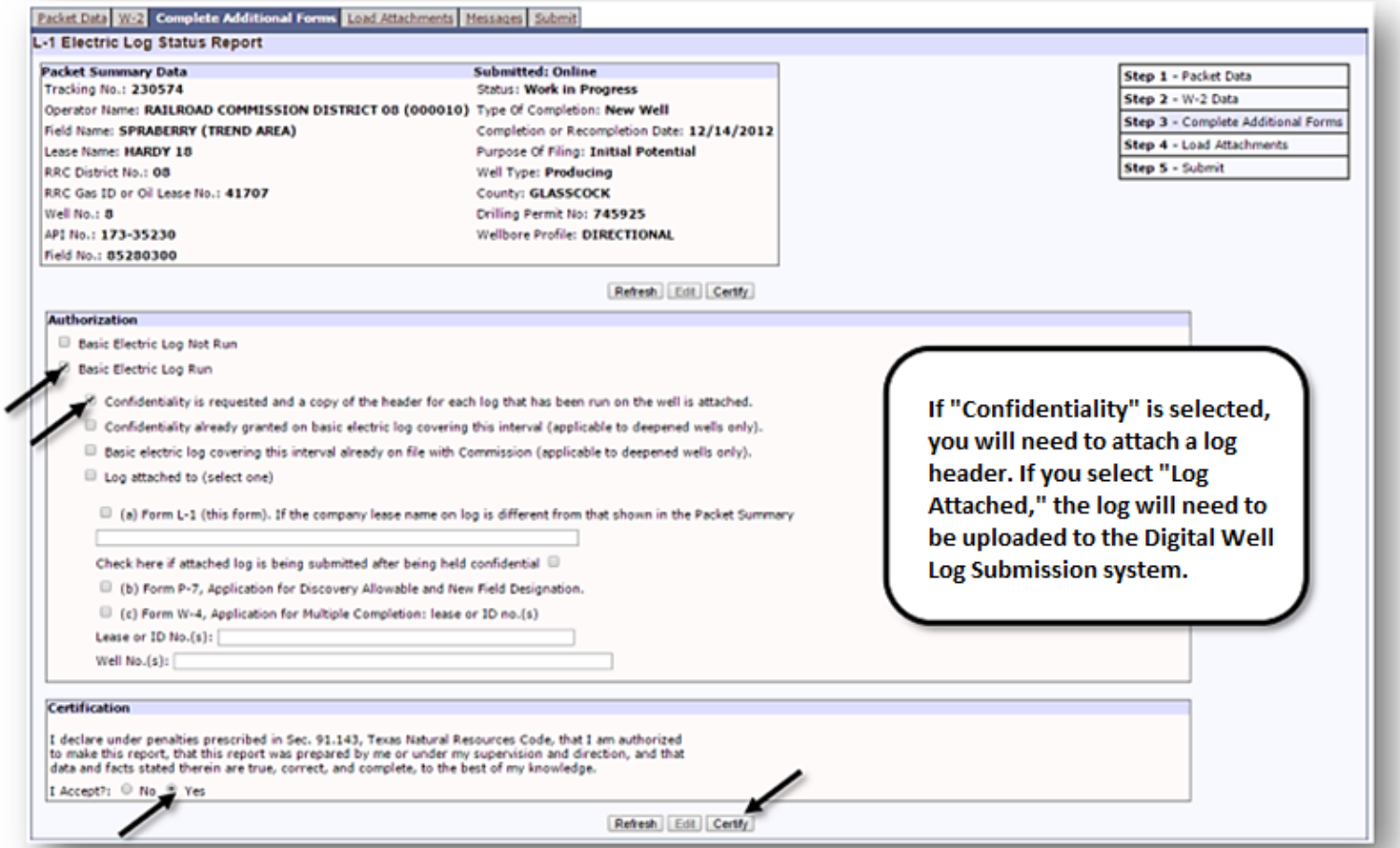
Page 6 (Certification)



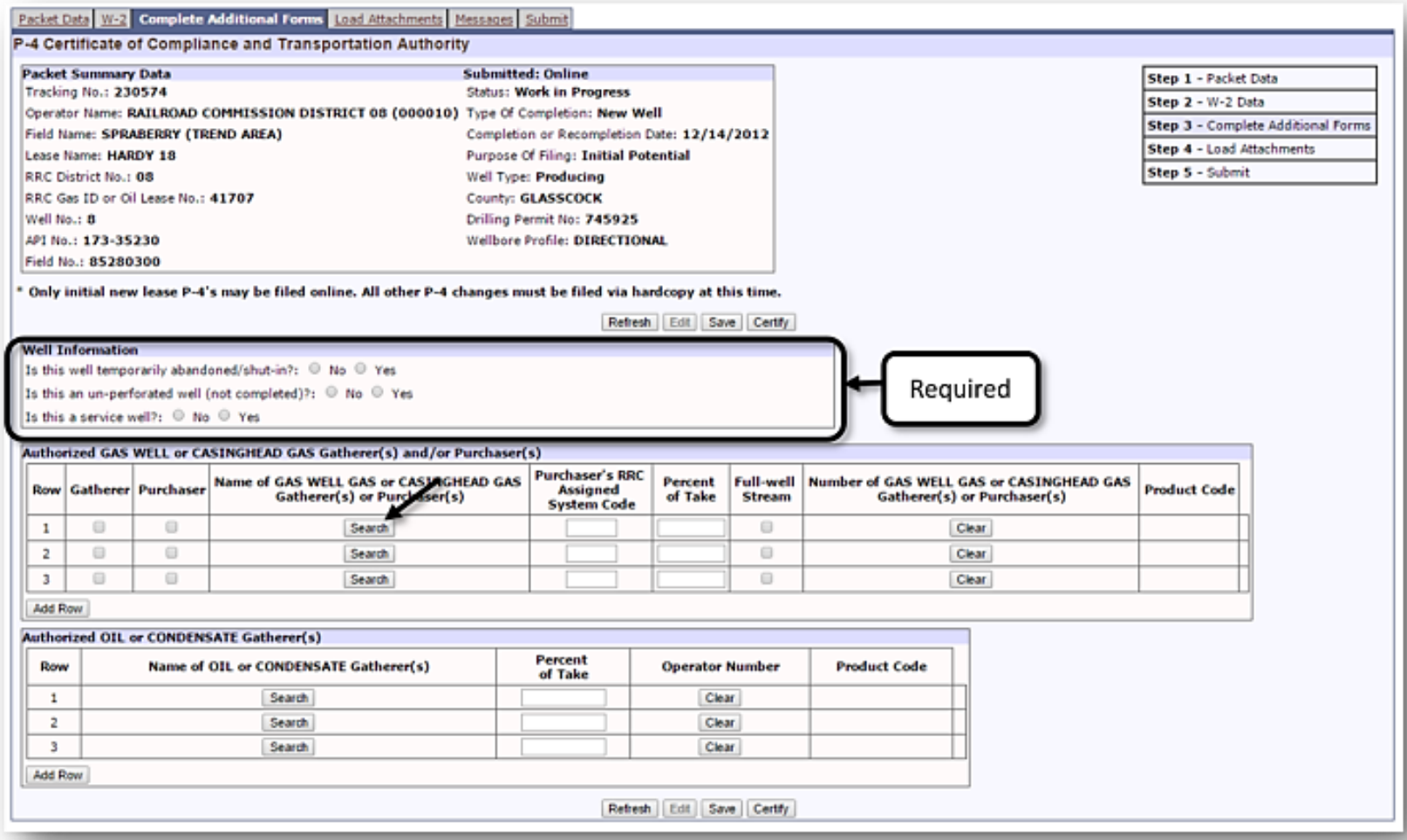
Complete Additional Forms



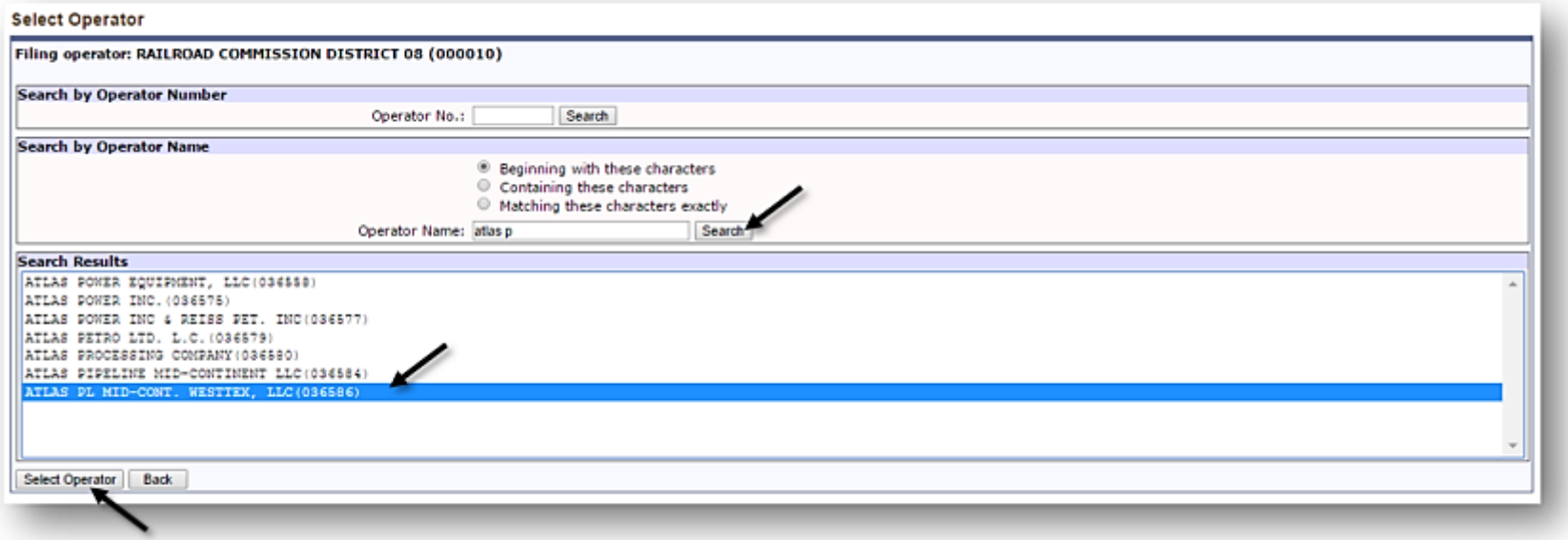
L-1 (Electric Log Status Report)



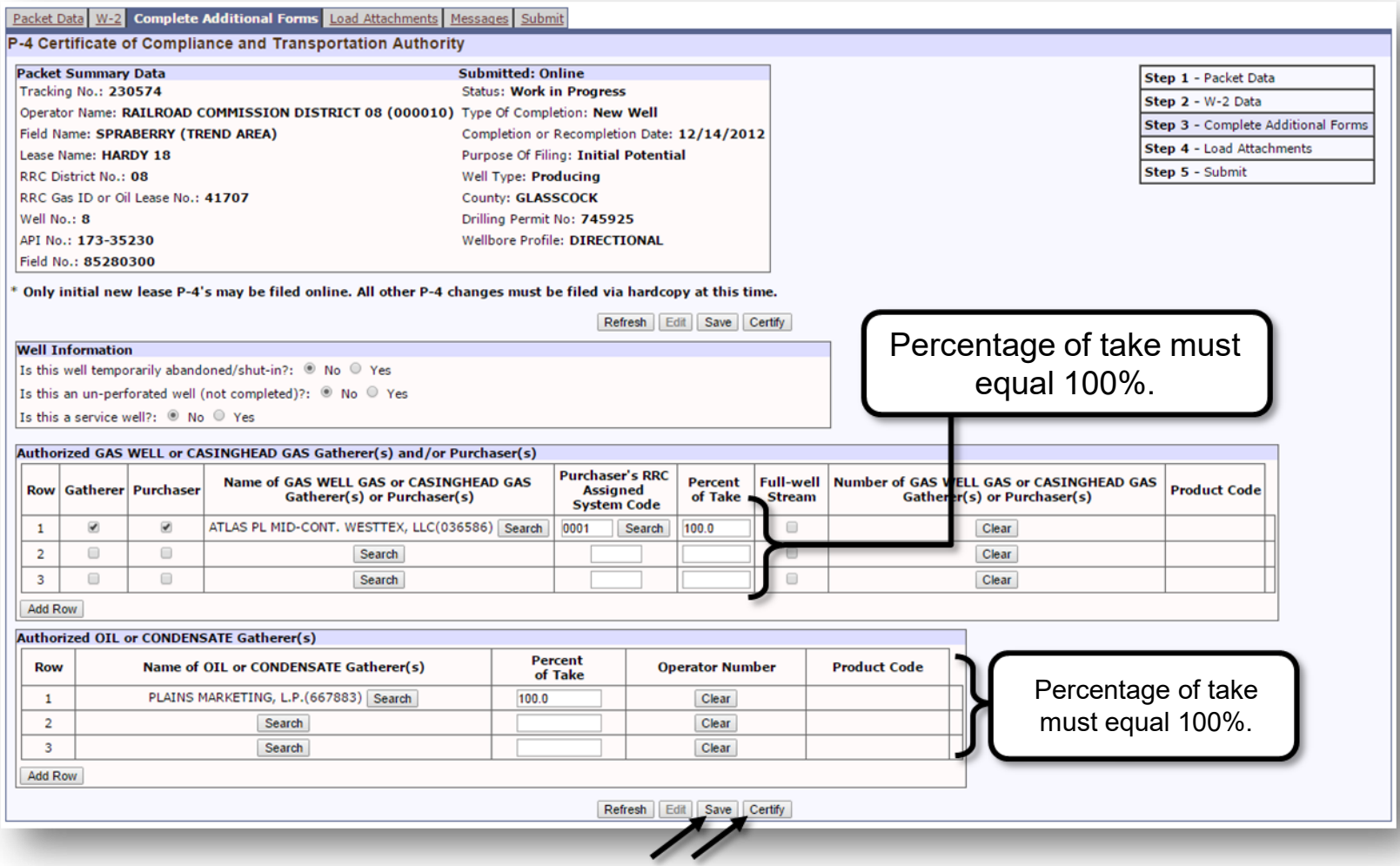
P-4 (Cert. of Comp. & Trans. Authority)



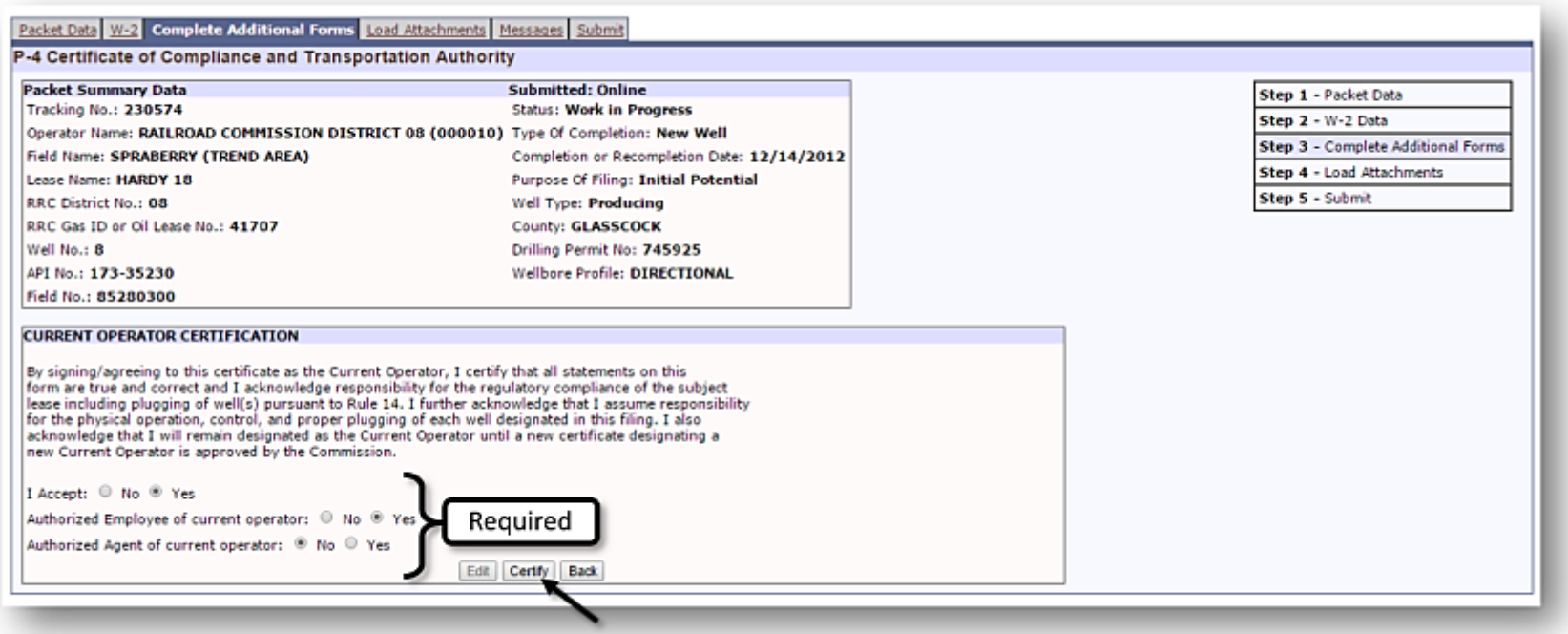
P-4 (Searching for Gatherers & Purchasers)



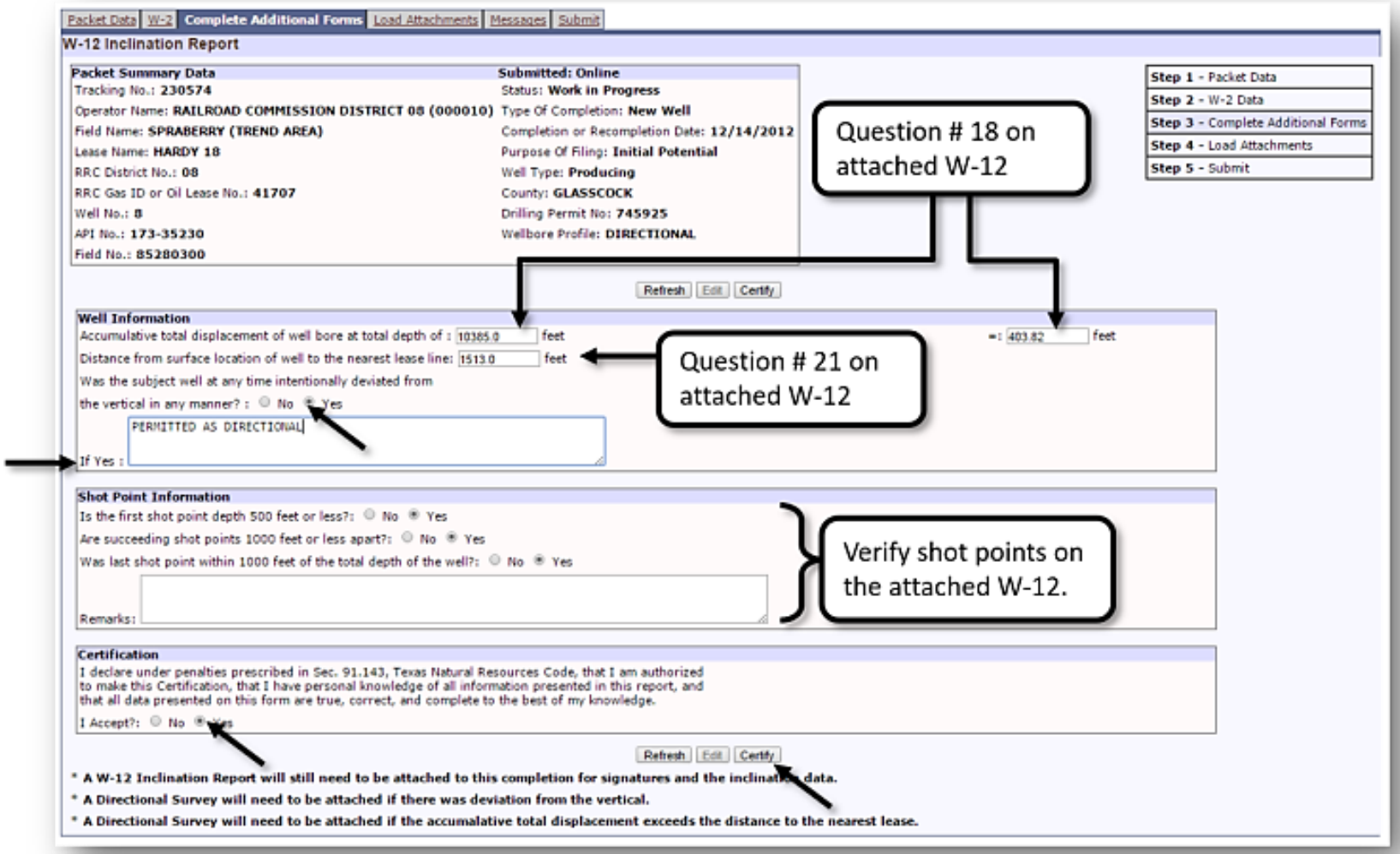
Certifying & Saving the P-4



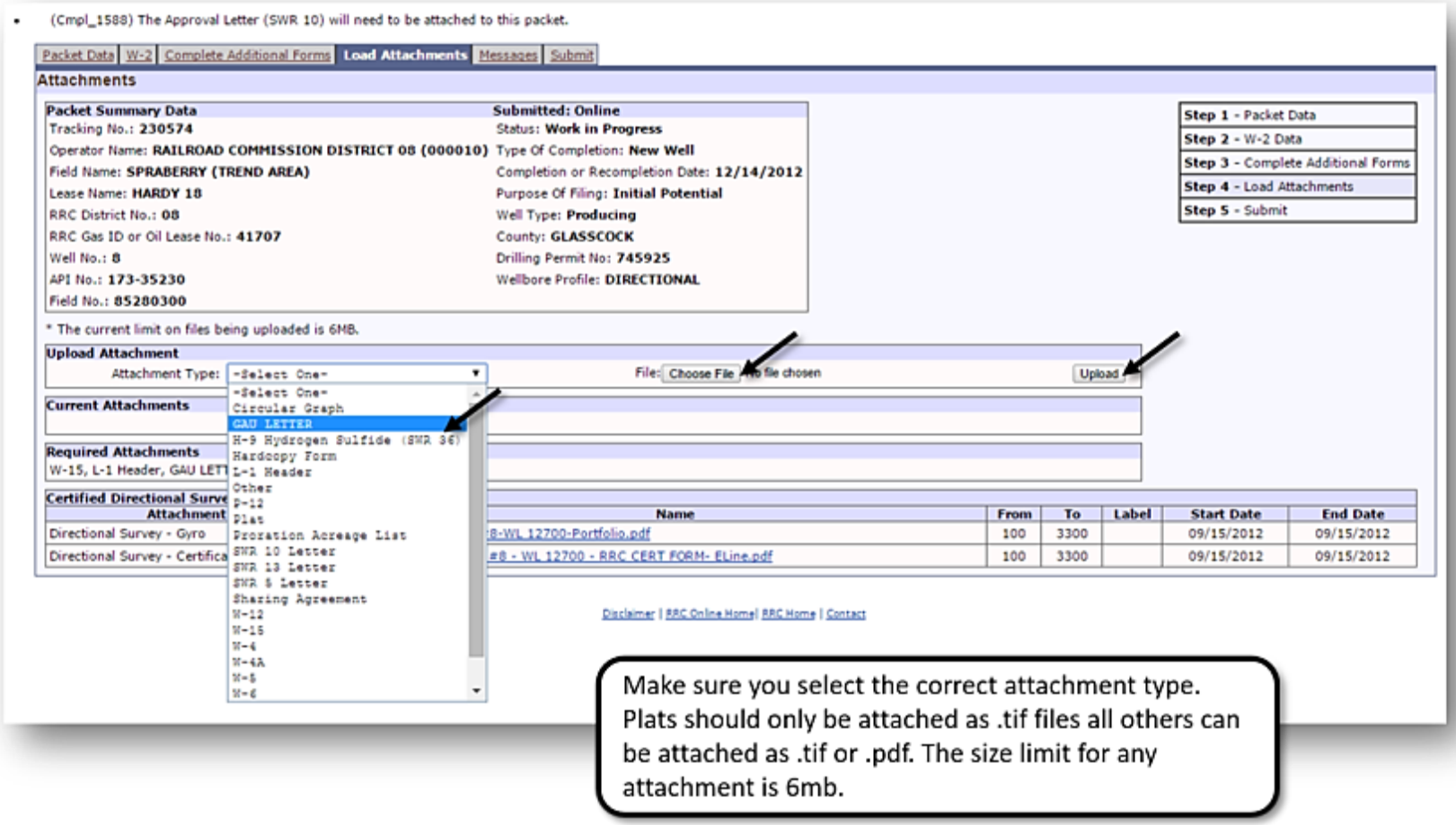
P-4 (Certification Page)



Online Fillable W-12 (Inclination Report)

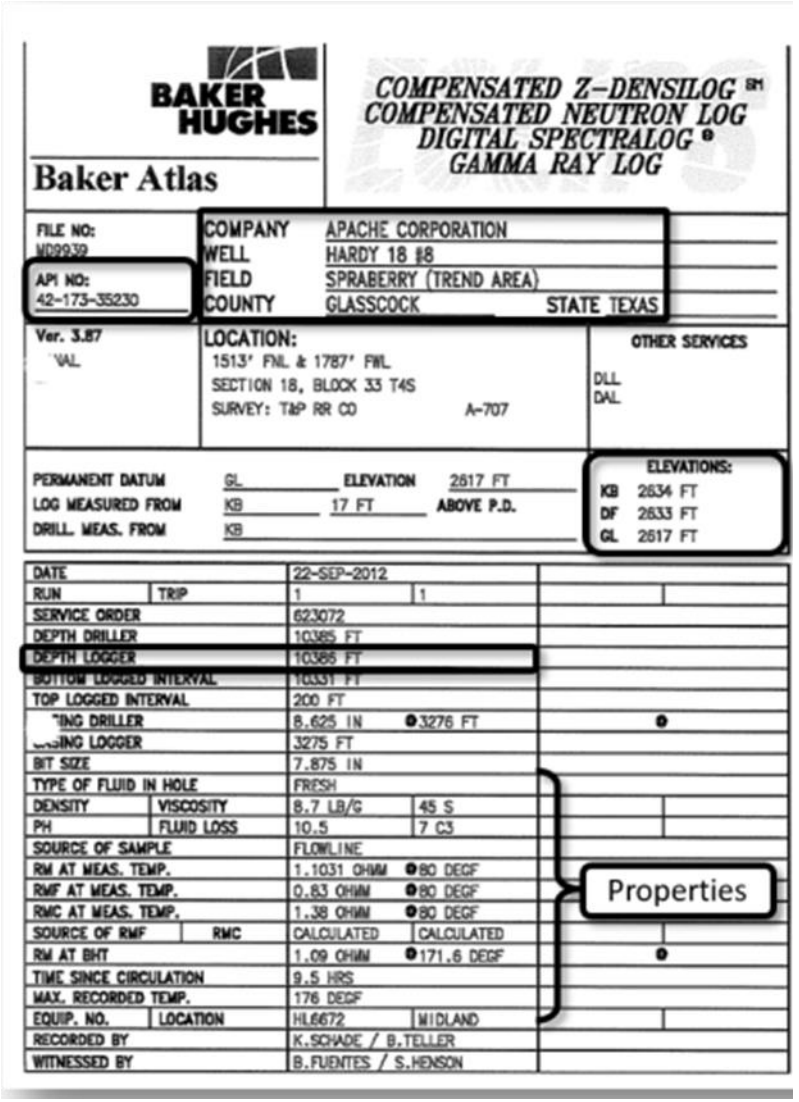


Load Attachments



Required Attachment: L-1 Header

- 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



BAKER HUGHES

Baker Atlas

COMPENSATED Z-DENSILOG SM
COMPENSATED NEUTRON LOG
DIGITAL SPECTRALOG ®
GAMMA RAY LOG

FILE NO: MD9939
API NO: 42-173-35230

COMPANY APACHE CORPORATION
WELL HARDY 18 #8
FIELD SPRABERRY (TREND AREA)
COUNTY GLASSCOCK STATE TEXAS

Ver. 3.87
VAL

LOCATION:
1513' FNL & 1787' FWL
SECTION 18, BLOCK 33 T4S
SURVEY: T&P RR CO A-707

OTHER SERVICES
DLL
DAL

PERMANENT DATUM GL ELEVATION 2617 FT
LOG MEASURED FROM KB 17 FT ABOVE P.D.
DRILL. MEAS. FROM 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		10386 FT		
BOTTOM LOGGED INTERVAL		10331 FT		
TOP LOGGED INTERVAL		200 FT		
ING DRILLER		8.625 IN @3276 FT		@
ING LOGGER		3275 FT		
BIT SIZE		7.875 IN		
TYPE OF FLUID IN HOLE		FRESH		
DENSITY	VISCOSITY	8.7 LB/G	45 S	
PH	FLUID LOSS	10.5	7 C3	
SOURCE OF SAMPLE		FLOWLINE		
RM AT MEAS. TEMP.		1.1031 OHMM @80 DEGF		Properties
RMF AT MEAS. TEMP.		0.83 OHMM @80 DEGF		
RMC AT MEAS. TEMP.		1.38 OHMM @80 DEGF		
SOURCE OF RMF	RMC	CALCULATED	CALCULATED	
RM AT BHT		1.09 OHMM @171.6 DEGF		@
TIME SINCE CIRCULATION		9.5 HRS		
MAX. RECORDED TEMP.		176 DEGF		
EQUIP. NO.	LOCATION	HL6672	MIDLAND	
RECORDED BY		K.SCHADE / B.TELLER		
WITNESSED BY		B.FUENTES / S.HENSON		

Plat

Proration Plat Example

Lease Plat Example

SWR-10 Letter (Downhole Commingling)

CHRISTI CRADDICK, CHAIRMAN
WAYNE CHRISTIAN, COMMISSIONER
JIM WRIGHT, COMMISSIONER

DANNY SORRELLS
ASSISTANT EXECUTIVE DIRECTOR
DIRECTOR, OIL AND GAS DIVISION
PAUL DUBOIS
ASSISTANT DIRECTOR, TECHNICAL PERMITTING

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

April 03, 2025

HILCORP ENERGY COMPANY
ATTN: REGULATORY DEPARTMENT
P O BOX 61229
HOUSTON TX 77208-1229

RE: **APPLICATION FOR EXCEPTION TO SWR 10**
LEASE: COSSON GAS UNIT
WELL NO. 21
FREESTONE COUNTY, DISTRICT 05, TEXAS
API NO. 161-34408
HYDROGEN SULFIDE RESTRICTION: YES
[DOCKET]

FIELD NAME	FIELD NO.
TEAGUE (TRAVIS PEAK)	88576700
TEAGUE (CV-BOSSIER CONS.)	88576304

The Commission has approved your application to down-hole commingle production within the above-referenced wellbore from the TEAGUE (TRAVIS PEAK) and TEAGUE (CV-BOSSIER CONS.) fields in FREESTONE County, Texas. For allowable and reporting purposes, the well will be assigned to the **TEAGUE (TRAVIS PEAK)** 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 April 03, 2025. This exception to SWR 10 will expire if not used within two (2) years from the date of this permit. This expiration date is April 04, 2027.

If this well is not currently on schedule as a multi-completed well or never has been on schedule as a single completion in any of the non-reporting field(s) listed above, you must file a well-record-only G-1 for this field. This completion must be treated as a separate completion. It will not be eligible for allowable status, and will be carried on the proration schedule as a SWR 10 well. The only instances in which the production will be assigned to a field in which the allocation formula has been suspended are when: (1) The allocation formula has been suspended in all of the fields cited in the Rule 10 Exception application,

or (2) If the production is less than 200 MCFPD. If the status for any of the fields changes it may be necessary to reassign the production to the prorated field. Contact your proration analyst to inquire as to which forms are necessary to change the reporting field.

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

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

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

Permit conditions:

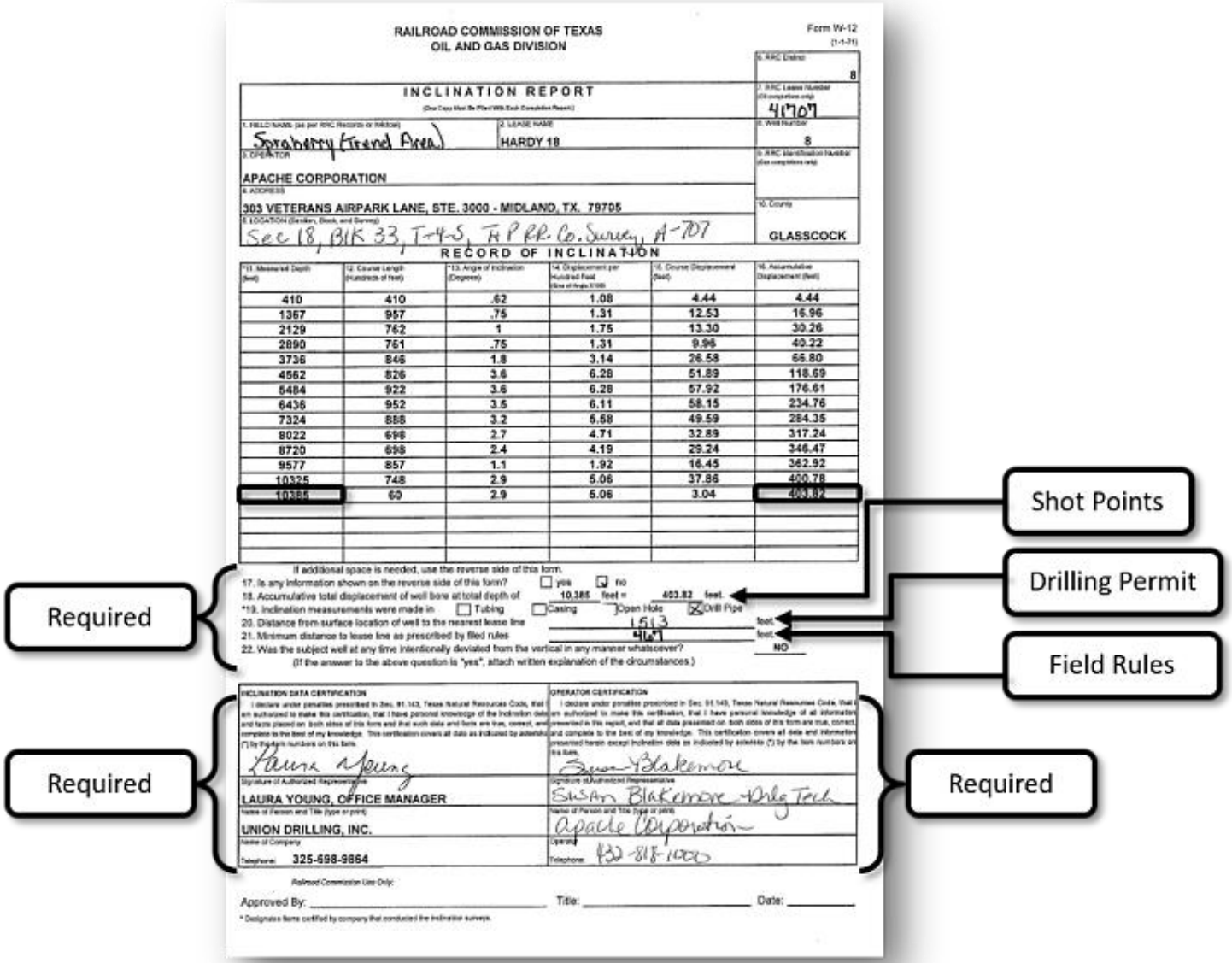
The commingled well will be subject to Statewide Rule 36 (operation in hydrogen sulfide areas) because at least one of the commingled fields requires a Certificate of Compliance for Statewide Rule 36. The well must be operated in accordance with Statewide Rule 36.

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 r.adams@hilcorp.com.

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

W-12 (Inclination Report)



RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-12
(1-1-71)

INCLINATION REPORT

(One Copy Must Be Filed With Each Completion Report.)

6. RRC District: 8
7. RRC Lease Number (if completion or test): 41707
1. FIELD NAME (as per RRC Records or Wildcat): Spraberry (Trend Area)
2. LEASE NAME: HARDY 18
8. Well Number: 8
3. OPERATOR: APACHE CORPORATION
9. RRC Identification Number (if completion only):
4. ADDRESS: 303 VETERANS AIRPARK LANE, STE. 3000 - MIDLAND, TX. 79705
10. County: GLASSCOCK
5. LOCATION (Section, Block, and Survey): Sec 18, BLK 33, T-4-S, TP RR. Co. Survey, A-707

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X 100)	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	761	.75	1.31	9.96	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	57.92	176.61
6436	952	3.5	6.11	58.15	234.76
7324	888	3.2	5.58	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	37.86	400.78
10385	60	2.9	5.06	3.04	403.82

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

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

18. Accumulative total displacement of well bore at total depth of 10,385 feet = 403.82 feet.

*19. Inclination measurements were made in ☐ Tubing ☐ Casing ☐ Open Hole ☒ Drill Pipe

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

21. Minimum distance to lease line as prescribed by filed rules 467 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 inclination data and facts placed 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 asterisk (*) by the item 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 presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisk (*) by the item numbers on this form.

Susan Blakemore
Signature of Authorized Representative

SUSAN BLAKEMORE Proj Tech
Name of Person and Title (type or print)

Apache Corporation
Operating Company

Telephone: 432-818-1000

Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

Shot Points

Drilling Permit

Field Rules

Required

Required

Required

Required Attachment: GAU Letter

GROUNDWATER PROTECTION DETERMINATION — **Form GW-2**

Groundwater Advisory Unit

Date Issued:	09 February 2023	**GAU Number:**	362451
Attention:	PIONEER NATURAL RES. USA, ATTN WELDON PIERSON IRVING, TX 75038	**API Number:**	38339960
		County:	REAGAN
		Lease Name:	CHRISTY-THOMAS 15A
		Lease Number:	
Operator No.:	665748	**Well Number:**	1H
		Total Vertical	10492
		Latitude:	31.418077
		Longitude:	-101.760610
		Datum:	NAD27

Purpose: New Production Well

Location: Survey-L&SV RR CO; Abstract-348; Block-H; Section-15

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

The base of usable-quality water-bearing strata is estimated to occur at a depth of 425 feet at the site of the referenced well.

This recommendation is applicable for all wells drilled in this Section 15.

W-15 (Cementing Report)

RAILROAD COMMISSION OF TEXAS
1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Form W-15
Rev. 08/2014

Cementer: Fill in shaded areas.
Operator: Fill in other items.

CEMENTING REPORT

OPERATOR INFORMATION	
Operator Name:	Operator P-5 No.:
Cementer Name:	Cementer P-5 No.:

WELL INFORMATION		
District No.:	County:	
Well No.:	API No.:	Drilling Permit No.:
Lease Name:	Lease No.:	
Field Name:	Field No.:	

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.):	Top of liner (ft.): / Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		Setting depth tool (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Name and title of cementer's representative _____ Cementing Company _____ Signature _____

Address _____ City, State, Zip Code _____ Tel: Area Code Number _____ Date: mo. day yr. _____

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Typed or printed name of operator's representative _____ Title _____ Signature _____

Address _____ City, State, Zip Code _____ Tel: Area Code Number _____ Date: mo. day yr. _____

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (https://webapps.rrc.texas.gov/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

W-15 (Designated Area)

Instructions, front page top right corner, designate:

- Cementer: Fill in shaded areas.
- Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

CEMENTING REPORT

Form W-15
Rev. 08/2014

Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION			
Operator Name:	BUGGS BUNNEE	Operator P-5 No.:	112233
Cementer Name:	TAZZY-D CEMENTERS	Cementer P-5 No.:	998877

Most common error: Well Information section is incomplete.

- Operator responsibility.
- W-15 will be returned for correction.

WELL INFORMATION			
District No.:	County:		
Well No.:	API No.:	Drilling Permit No.:	
Lease Name:	Lease No.:		
Field Name:	Field No.:		

W-15 (Signatures)

REMARKS

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Name and title of cementer's representative	Cementing Company	Signature
Nacho Libre, El Jefe	Tazzy-D Cementers	Nacho Libre

Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.
123 Wild West Ave.,	El Rancho Grande, TX 76543	915-555-1122	03/01/23

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Typed or printed name of operator's representative	Title	Signature
Jessica Rabbit Bunnee	Office Manager	Jessica R. Bunnee

Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.
7788 Red Dress Blvd.,	Toon Town, TX 79988	806-365-4321	03/15/23

W-15 (Operator Responsibility)

Casing Cementing Data

Type of casing: Surface

Drilled hole size (in.): 17.5

Size of casing in O.D.(in): 13.375

Hrs. waiting on cement before drill-out: 100

Est. % wash-out or hole enlargement: 20

Calculated top of cement (ft.): 0

Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]

Cementing Date : 02/13/2025

Depth of drilled hole (ft.): 1621

No. of centralizers used : 15

Top of liner (ft.): N/A

Setting depth liner (ft.) : N/A

Setting depth shoe (ft): 1606

Casing weight (lbs/ft) and grade: 54.5 lb/ft & J55

Multiple parallel strings: No

DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 595 * Class: PREMIUM PLUS * Additives: REMARKS * Volume (cu. ft.) 1184 * Height (ft.) 1385

Slurry # 2 * No. of Sacks: 410 * Class: PREMIUM PLUS * Additives: REMARKS * Volume (cu. ft.) 549 * Height (ft.) 737

W-15 (Cementer Responsibility)

Casing Cementing Data

Type of casing: Surface
Drilled hole size (in.): 17.5
Size of casing in O.D.(in): 13.375
Hrs. waiting on cement before drill-out: 100
Est. % wash-out or hole enlargement: 20
Calculated top of cement (ft.): 0
Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]
Multiple parallel strings: No DV tool not opened: No

Cementing Date : 02/13/2025
Depth of drilled hole (ft.): 1621
No. of centralizers used : 15
Top of liner (ft.): N/A
Setting depth liner (ft.) : N/A
Setting depth shoe (ft): 1606
Casing weight (lbs/ft) and grade: 54.5 lb/ft & J55

Slurry

Slurry # 1 * No. of Sacks: 595 * Class: PREMIUM PLUS * Additives: REMARKS * Volume (cu. ft.) 1184 * Height (ft.) 1385
Slurry # 2 * No. of Sacks: 410 * Class: PREMIUM PLUS * Additives: REMARKS * Volume (cu. ft.) 549 * Height (ft.) 737

W-15 (Plugs on Back of W-15)

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

Cementing to Squeeze, Plug Back or Plug and Abandon

W-15 Workover

If squeeze or plug back, recompletion information will appear under several completion tabs:

- W-15 is **required** to be attached for well to be removed from schedule.

Packet Data Tab -

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	BENEDUM (FUSSELMAN)	16562	Oil Well	4	7C	07109500	Producing

W-2 Page 2 Plug Back Depth Changes -

Vertical Depth:	11969 feet
Total Vertical Depth, **Drilling Permit value**:	12000 feet
Plug Back Depth - TVD:	11000 feet

Rule 3.16
Completion Reports are due within 30 days of any physical changes made to the wellbore structure.

W-2 Page 5 -

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

Depth Interval	From (feet)	To (feet)	Amount and Kind of Material Used	Process
1	7495.0	10617.0	1,771,746 SLICKWATER 15#BXL/1,041,780 20/40 WHITE SAND	Fracture
2	11020.0	11020.0	5 SACKS CLASS C CEMENT DUMPED ON CIBP	Cast Iron Bridge Plug

Remarks:

P-12 (Certificate of Pooling Authority)

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin, Texas 78711-2967
www.rrc.state.tx.us

CERTIFICATE OF POOLING AUTHORITY

Revised 05/2001

P-12

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

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

Tract/Plat Identifier	Tract Name	Acres in Tract (See inst. #7 below)	Indicate Undivided Interests Unleased	Non-Pooled
TRACT 1	NW/4- EXCEPT HWY 158 ROW	153.48	☐	☐
TRACT 2	STATE OF TX HWY 158 ROW	6.52	☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐

CERTIFICATION:

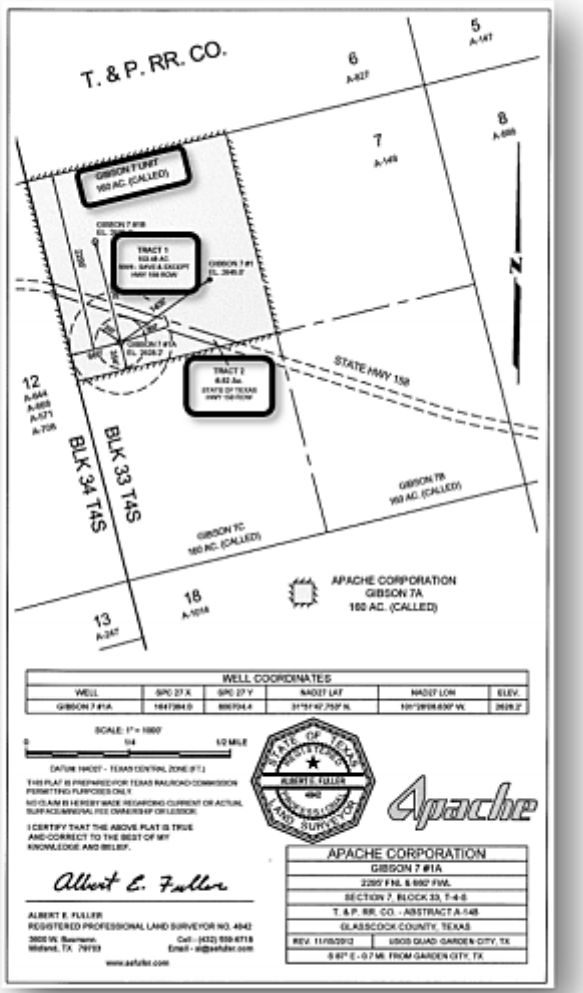
I declare under penalties prescribed pursuant to the Sec. 91.143, Texas Natural Resources Code, that I am authorized to make the foregoing statements and that the information provided by me or under my direction on this Certificate of Pooling Authority is true, correct, and complete to the best of my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

Signature: KEISHA STARK — Print Name

Title	E-mail (if available)	Date	Phone
REGULATORY TECH	Keisha.Stark@apachecorp.com	11/15/2012	(432) 818-1181

INSTRUCTIONS — Reference: Statewide Rules 31, 38 and 40

1. When two or more tracts are pooled to form a unit to obtain a drilling permit, file completion paperwork, or reform a pooled unit pursuant to Rule 38(d)(3) the operator must file an original Certificate of Pooling Authority and certified plat.
2. 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.
3. If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
4. If the Purpose of Filing is to obtain a drilling permit, in box #1 list all applicable fields separately or enter "All Fields" if the Certificate pertains to all fields requested on Form W-1.
5. If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
6. Identify the drill site tract with an * to the left of the tract identifier.
7. The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.



P-16 (Acreage Designation Section I & II)

RAILROAD COMMISSION OF TEXAS

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

Form P-16

Page 1
Rev. 06/2022

Acreage Designation

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 I. OPERATOR INFORMATION			
Operator Name:		Operator P-5 No.:	
Operator Address:			

SECTION II. WELL INFORMATION					
District No.:	Select One	API No.:		Purpose of Filing:	
Well No.:		Drilling Permit No.:		☐ Form W-1	
Lease Name:		RRC ID or Lease No.:		☐ Form G-1/W-2	
Total Lease Acres:		Field Name:			
Proration Acres:		Field No.:		Ownership Interval:	
Wellbore Profile:	Select One	Is this a UFT field?:	Select One	Upper:	
SL Record (Parent) Well Drilling Permit No.:		County:	Select One	Lower:	

P-16 (Acreage Designation Section III & IV)

SECTION III. LISTING OF ALL WELLS IN THE REGULATORY 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.	Profile	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)

A. Total Assigned Horiz. Acreage =
Total Remaining Horiz. Acreage =
B. Total Assigned Vert./Dir. Acreage =
Total Remaining Vert./Dir. Acreage =

C. Total Assigned Acreage =
Total Remaining Acreage =

SECTION IV. REMARKS - REQUIRED FOR PSA AND CO-DEVELOPMENT *(refer to instructions)*

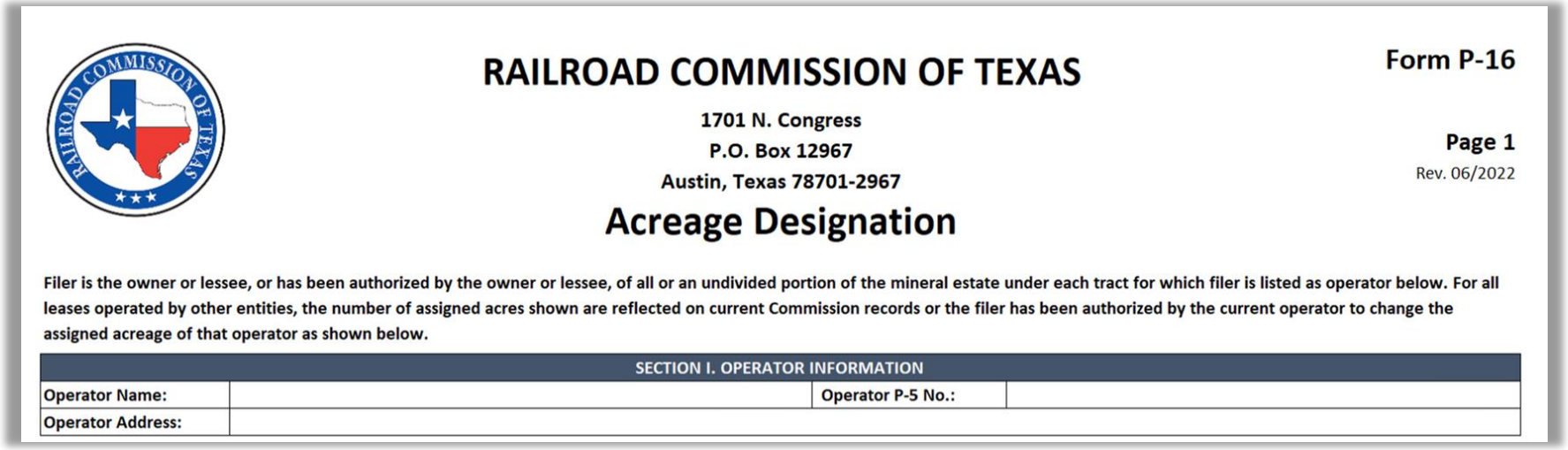
Attach Additional Pages As Needed. ☐ No additional pages ☐ Additional Pages: ____ (No. of additional pages)

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Signature | Name and title (type or print) | Email (include email address *only* if you affirmatively consent to its public release)

Address | City, | State, | Zip Code | Tel: Area Code Number | Date: mo. day yr.

P-16 Section I



RAILROAD COMMISSION OF TEXAS

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

Form P-16

Page 1
Rev. 06/2022

Acreage Designation

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 I. OPERATOR INFORMATION			
Operator Name:		Operator P-5 No.:	
Operator Address:			

As listed on P-5 Organization Report:

- Operator Name
- Operator P-5 No.
- Operator Address

P-16 Section II

SECTION II. WELL INFORMATION					
District No.:	Select One	**API No.:**		**Purpose of Filing:**	
Well No.:		**Drilling Permit No.:**		☐ **Form W-1**	
Lease Name:		**RRC ID or Lease No.:**		☐ **Form G-1/W-2**	
Total Lease Acres:		**Field Name:**			
Proration Acres:		**Field No.:**		**Ownership Interval:**	
Wellbore Profile:	Select One	**Is this a UFT field?:**	Select One	**Upper:**	
SL Record (Parent) Well Drilling Permit No.:		**County:**	Select One	**Lower:**	

All fields are required, if applicable

P-16 Section II – Ownership Interval

SECTION II. WELL INFORMATION			
API No.:		Purpose of Filing:	
Drilling Permit No.:		☐ Form W-1	
RRC ID or Lease No.:		☐ Form G-1/W-2	
Field Name:			
Field No.:		Ownership Interval:	
Is this a UFT field?:	Select One	Upper:	
County:	Select One	Lower:	

Ownership Interval:

- Fields have been added to Section II to support SWR-40(e)(2) exception requests.
- Intervals on the G-1/W-2 P-16 submission should match what is approved on the W-1.

P-16 Section III

SECTION III. LISTING OF ALL WELLS IN THE REGULATORY 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.	Profile	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)

A. Total Assigned Horiz. Acreage	=	C. Total Assigned Acreage	=
Total Remaining Horiz. Acreage	=	Total Remaining Acreage	=
B. Total Assigned Vert./Dir. Acreage	=		
Total Remaining Vert./Dir. Acreage	=		

Section III for Regular Lease or Pooled Unit only

not for Allocation or PSA Well.

P-16 Section IV

- This is a comments box.
- Any useful information you need to provide.
- PSA acreage statement (required for PSA)
  - From **both** MINERAL ***AND*** WORKING Interests owners
  - At least 65% agreement to production sharing
  - Need to meet 65% ***IN EACH TRACT***
    - Specific numbers per tract, or
    - Statement should reference “from all tracts”

P-16 Section V

SECTION V. LISTING OF ALL TRACTS CONTRIBUTING ACREAGE TO AN RRC DESIGNATED DEVELOPMENTAL UNIT THAT IS NOT A SINGLE LEASE, POOLED UNIT, OR GROUP OF TRACTS UNITIZED BY CONTRACT FOR PURPOSES OF SECONDARY RECOVERY						
	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
A						
B						
C						
D						
E						
F						
G						
H						
		Total Acreage =				

- Section V is Only Used for Allocation or PSA submissions
- This Section defines the composition of the developmental acreage.

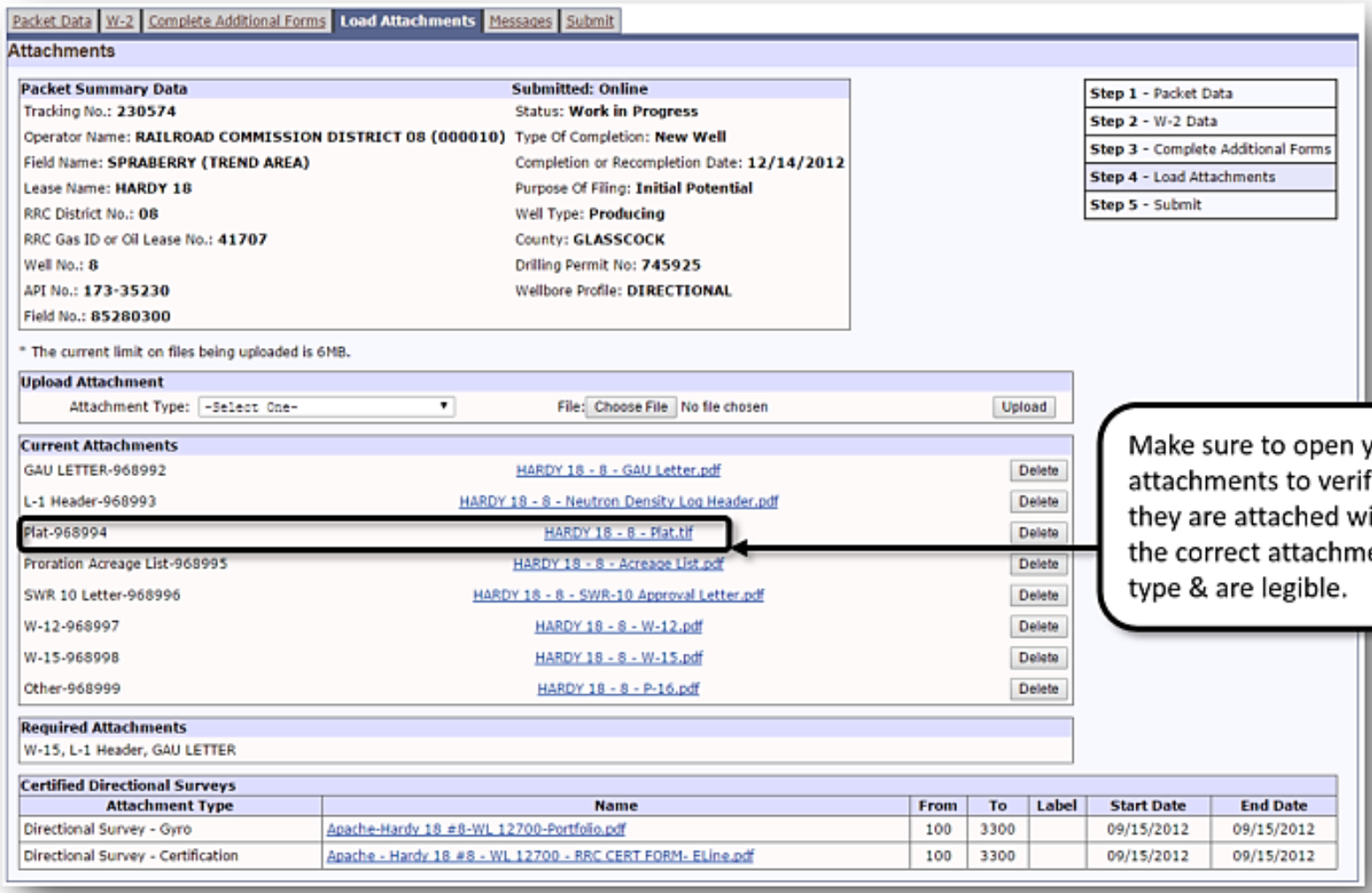
Part 3 – Section VI (1 of 9)

SECTION VI. LISTING OF ALL WELLS IN THE REGULATORY FIELD AS LISTED IN SECTION II, AND ALLOCATING ACREAGE FROM ANY OR ALL TRACTS LISTED IN SECTION V BY FILER														
RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From
						A. Total Assigned Acreage =								
						B. Total Assigned Horiz. Acreage =								
						C. Total Assigned Vert./Dir. Acreage =								

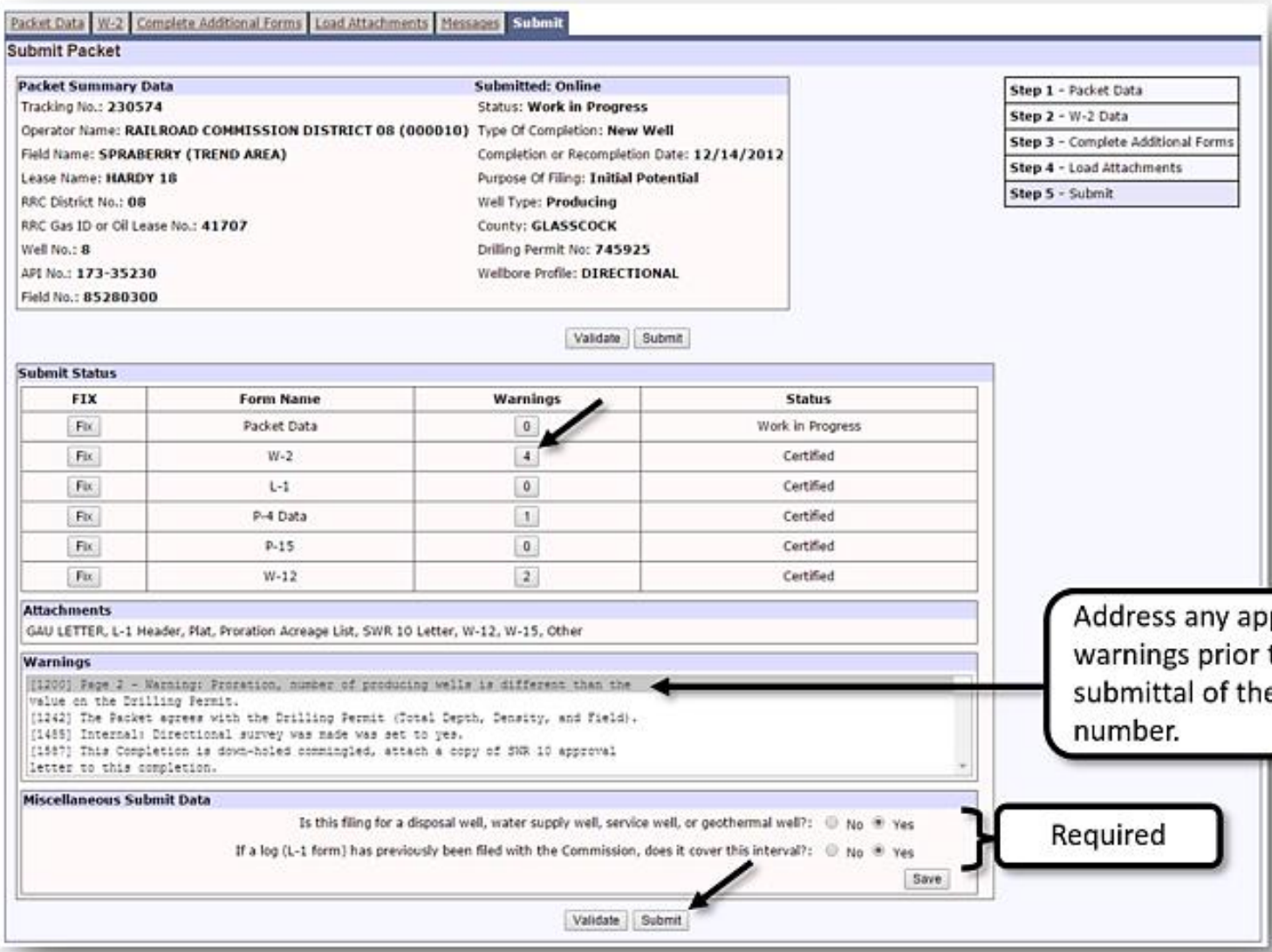
Profile drop-down:

- Vert.
- Direc.
- Horiz.
- Alloc.
- PSA
- SL
- Alloc.-SL

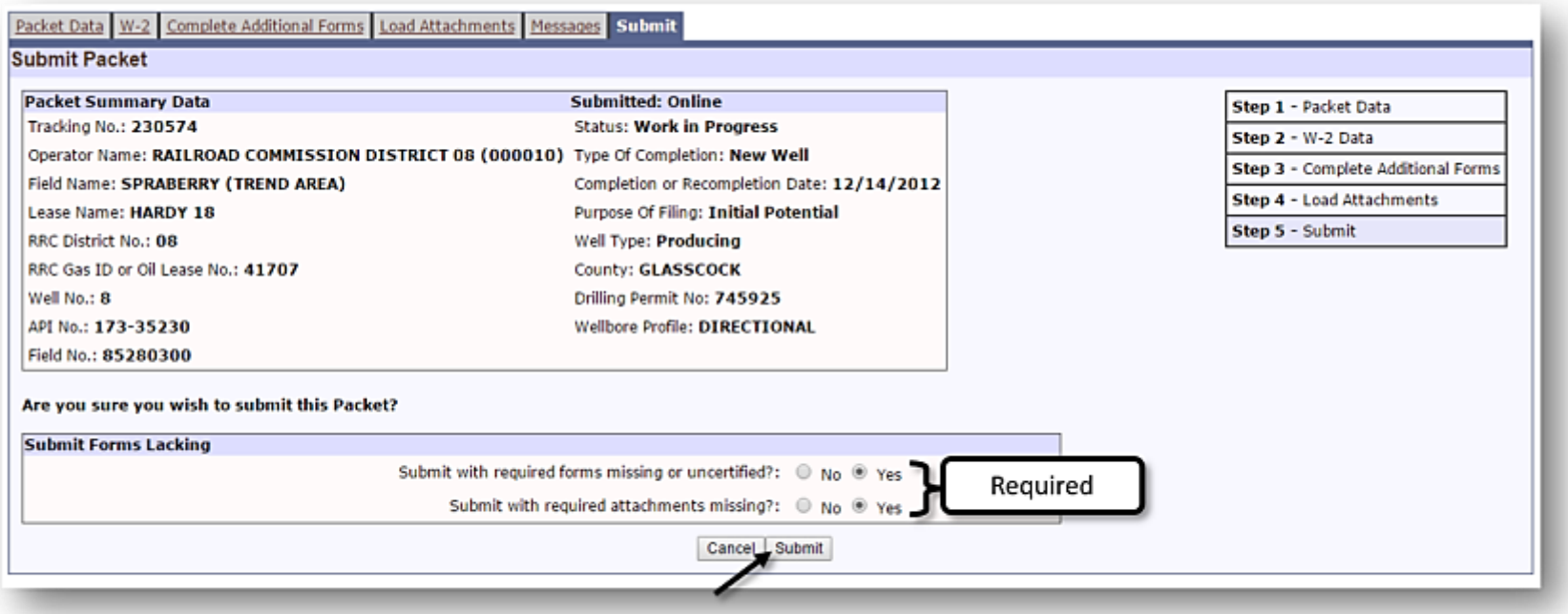
Verify Attachments



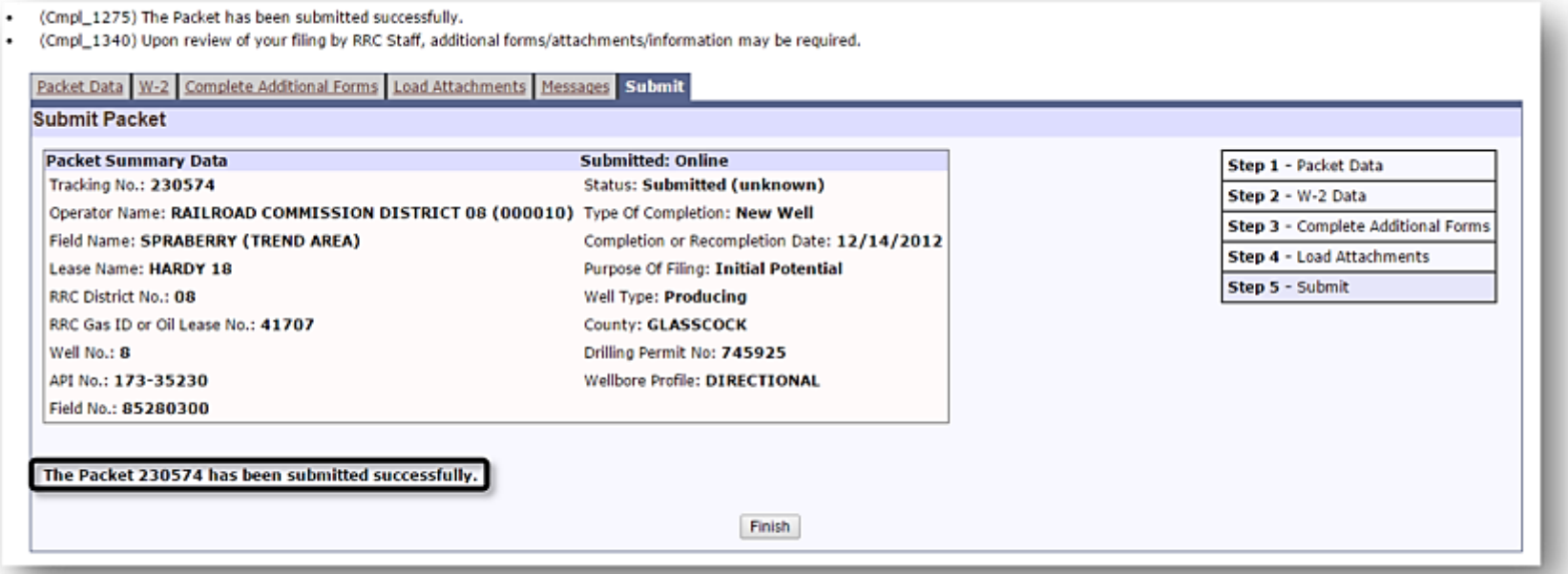
Submittal Page



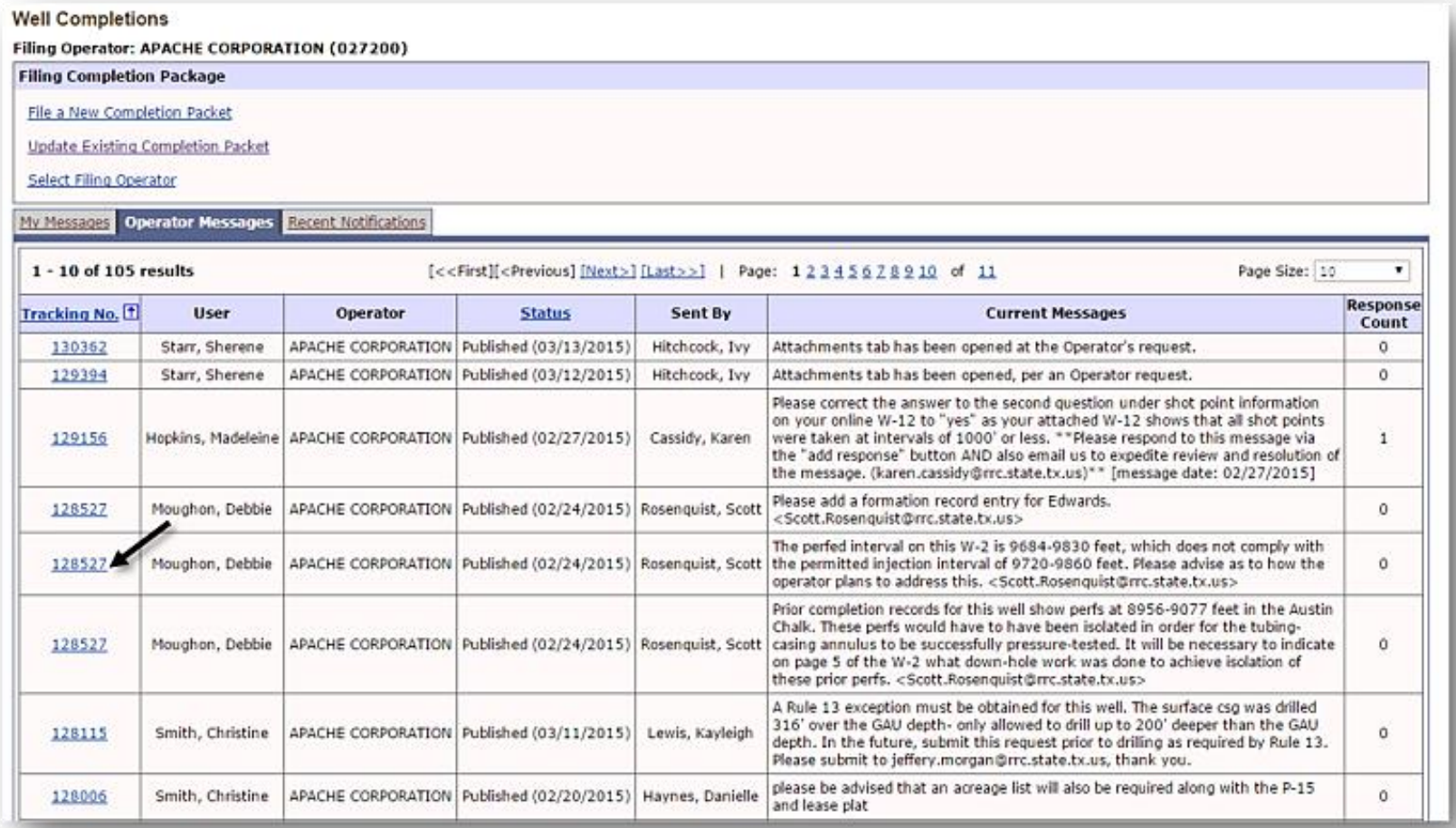
Submit Forms Lacking



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
Submitted: Online
Tracking No.: 230574
Status: Submitted (unknown)
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
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

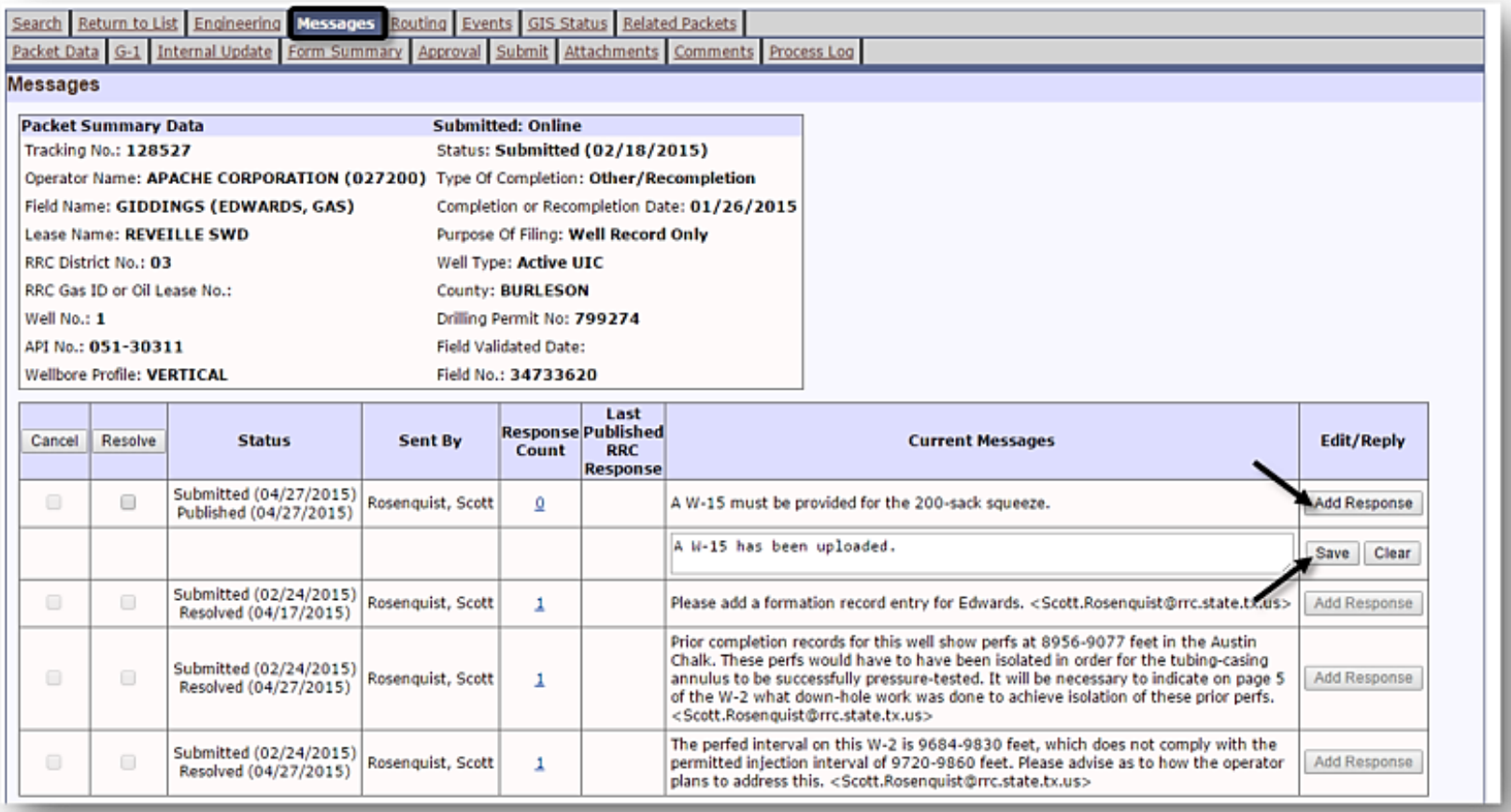
Select Filing Operator

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

Adding Responses



Contact District Office

For immediate assistance regarding the casing and cementing questions, please call the appropriate District Office.

Districts 01 & 02 San Antonio 112 E. Pecan Street, Suite 705 San Antonio, TX 78205 Phone: 210-227-1313 Fax: 210-227-4822 **san_antonio@rrc.texas.gov**	**District 03 Houston** 1919 N. Loop West, Suite 620 Houston, TX 77008 Phone: 713-869-5001 Fax: 713-869-9621 **houston@rrc.texas.gov**	**District 04 Corpus Christi** 10320 IH-37 Corpus Christi, TX 78410 Phone: 361-242-3113 Fax: 361-242-9613 **corpus_christi@rrc.texas.gov**	**Districts 05 & 06 Kilgore** 100 Bane Blvd. Henderson, TX 75652 Phone: 903-655-1840 Fax: None **kilgore@rrc.texas.gov**	**District 7B Abilene** 1969 Industrial Blvd. Abilene, TX 79602 Phone: 325-692-0404 Fax: 325-692-0273 **abilene@rrc.texas.gov**
District 7C San Angelo 622 South Oakes, Suite J San Angelo, TX 76903 Phone: 325-657-7450 Fax: 325-657-7455 **san_angelo@rrc.texas.gov**	**District 8 Midland** 10 Desta Dr., Suite 500 E Midland, TX 79705 Phone: 432-684-5581 Fax: 432-684-6005 **midland@rrc.texas.gov**	**District 8A Lubbock** 6302 Iola Avenue, Suite 600 Lubbock, TX 79424 Phone: 806-698-6509 Fax: 806-698-6532 **DOLubbock8A@rrc.texas.gov**	**District 9 Wichita Falls** 5800 Kell Blvd., Suite 300 Wichita Falls, TX 76310 Phone: 940-723-2153 Fax: 940-723-5088 **wichita_falls@rrc.texas.gov**	**District 10 Pampa** 200 West Foster, Room 300 Pampa, TX 79065 Phone: 806-665-1653 Fax: 806-665-4217 **pampa@rrc.texas.gov**

Contact Engineering

For immediate assistance regarding directional surveys or horizontal wells, please call the Engineering Department.

Phone: 512-463-1126

Email: engunit@rrc.texas.gov

Website: https://www.rrc.texas.gov/

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

Contact Well Compliance

For immediate assistance regarding producing or shut-in wells, please call the Well Compliance Department.

Phone: 512-463-6975

Email: prorationunit@rrc.texas.gov

Website: https://www.rrc.texas.gov/

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