



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Submitted
Date: 10/22/2014
Tracking No.: 118069

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: PIONEER NATURAL RES. USA, INC. Operator No.: 665748
Operator Address: ATTN CINDY WHIDDON P O BOX 3178 MIDLAND, TX 79702-0000

WELL INFORMATION

API No.: 42-461-39159 County: UPTON
Well No.: 49H RRC District No.: 7C
Lease Name: UNIVERSITY "3-19" Field Name: SPRABERRY (TREND AREA)
RRC Lease No.: 17382 Field No.: 85279200
Location: 18, 3, UL, A-U18
Latitude: Longitude:
This well is located 9.6 miles in a NE direction from RANKIN, which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: New Well
Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 12/30/2013 773665
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 05/12/2014 Date of first production after rig released: 08/28/2014
Date plug back, deepening, recompletion, or drilling operation commenced: 05/12/2014 Date plug back, deepening, recompletion, or drilling operation ended: 07/08/2014
Number of producing wells on this lease in this field (reservoir) including this well: 33 Distance to nearest well in lease & reservoir (ft.): 112.0
Total number of acres in lease: 2308.90 Elevation (ft.): 2678 GL
Total depth TVD (ft.): 10219 Total depth MD (ft.): 18900
Plug back depth TVD (ft.): Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? Yes Rotation time within surface casing (hours): 147.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No Multiple completion? No
Type(s) of electric or other log(s) run: Acceptable cased hole logs
Electric Log Other Description:

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Field & Reservoir Gas ID or Oil Lease No. Well No. Prior Service Type

PACKET: N/A
W2: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

GAU Groundwater Protection Determination Depth (ft.): 475.0 Date: 11/20/2013
SWR 13 Exception Depth (ft.): 1188.0

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION									
Date of test: 09/04/2014					Production method: Pumping				
Number of hours tested: 24					Choke size:				
Was swab used during this test? No					Oil produced prior to test: 5180.00				
PRODUCTION DURING TEST PERIOD:									
Oil (BBLS): 912.00					Gas (MCF): 1775				
Gas - Oil Ratio: 1946					Flowing Tubing Pressure:				
Water (BBLS): 2345									
CALCULATED 24-HOUR RATE									
Oil (BBLS): 912.0					Gas (MCF): 1775				
Oil Gravity - API - 60.: 44.3					Casing Pressure:				
Water (BBLS): 2345									

CASING RECORD											
Row	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size	Size	Depth	Stage	Stage		Amount	Volume	Cement	Determined
		(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	By
1	Surface	13 3/8	17 1/2	1188			C 65/35/ POZ & CLASS C	825	1507.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	9123			TXI & CLASS H	1351	2806.0	2500	Calculation
3	Conventional Production	5 1/2	8 1/2	18900			TXI	2572	3755.0	2265	Calculation

LINER RECORD									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD			
Row	Size (in.)	Depth (ft.)	Packer Depth (ft.)/Type
1	2 7/8	9441	/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 10114	18782.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed? Yes			
Is well equipped with a downhole actuation sleeve? Yes			
		If yes, actuation pressure (PSIG): 9490.0	
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 7003		Actual maximum pressure (PSIG) during hydraulic fracturing: 9159	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? Yes			
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	SEE FRAC FOCUS	10114 18782

FORMATION RECORD					
<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
STRAWN	No			No	NOT ENCOUNTERED
DEVONIAN	No			No	NOT ENCOUNTERED
FUSSELMAN	No			No	NOT ENCOUNTERED
ELLENBURGER	No			No	NOT ENCOUNTERED
YATES	Yes	2113.0	2113.0	Yes	
GRAYBURG	Yes	3761.0	3763.0	Yes	
SAN ANDRES - SALTWATER FLOW	Yes	3772.0	3773.0	Yes	
SPRABERRY	Yes	6580.0	6582.0	Yes	
WOLFCAMP	Yes	8128.0	8130.0	Yes	
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?					No
Is the completion being downhole commingled (SWR 10)?					No

REMARKS

RRC REMARKS
<p>POTENTIAL TEST DATA:</p> <p>NEW WELL - LOG BEING MAILED TO AUSTIN RRC. KOP ~9606</p> <p>CASING RECORD :</p> <p>TUBING RECORD:</p> <p>PRODUCING/INJECTION/DISPOSAL INTERVAL :</p> <p>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</p> <p>PUBLIC COMMENTS:</p>

OPERATOR'S CERTIFICATION	
<div>Printed Name: JOEY PARKER</div> <div>Telephone No.: (972) 969-5157</div>	<div>Title: REGULATORY SPECIALIST II</div> <div>Date Certified: 10/22/2014</div>

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

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report) Pioneer Natural Resources	2. RRC Operator No. 665748	3. RRC District No. 7C	4. County of Well Site Upton
5. Field Name (Wildcat or exactly as shown on RRC records) SPRABERRY (TREND AREA)		6. API No. 42-461-39159	7. Drilling Permit No. 7-73665
8. Lease Name University 3-19	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 17382	11. Well No. 49H

CASING CEMENTING DATA:			SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
					Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date			5/13/2014					
13. • Drilled hole size			17 1/2					
• Est. % wash or hole enlargement								
14. Size of casing			13 3/8					
15. Top of liner (ft.)								
16. Setting depth (ft.)			1188					
17. Number of centralizers used			6					
18. Hrs. waiting on cement before drill-out			12					
1st Slurry	19. API cement used: No. of sacks ▶		480					
	Class ▶		C 65/35 POZ					
	Additives ▶		Remarks 1					
2nd Slurry	No. of sacks ▶		345					
	Class ▶		C					
	Additives ▶		Remarks 2					
3rd Slurry	No. of sacks ▶							
	Class ▶							
	Additives ▶							
1st	20. Slurry pumped: Volume (cu. ft.) ▶		917					
	Height (ft.) ▶		1320					
2nd	Volume (cu. ft.) ▶		590					
	Height (ft.) ▶		849					
3rd	Volume (cu. ft.) ▶							
	Height (ft.) ▶							
Total	Volume (cu. ft.) ▶		1507					
	Height (ft.) ▶		2169					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			Yes					
22. Remarks								
1. 6% Gel 3% Salt 3PPS KolSeal 1/4PPS CelloFlake								
2. 4% Gel 2% Calcium Chloride 1/4PPS CelloFlake								

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

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 the well as shown in this 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.

Ben Parsons **Cementer**

Crest Pumping Technologies

Ben Parsons
Signature

Name and title of cementer's representative

Cementing Company

309 West 7th Street Suite 1500

Fort Worth

TX

76102

940-567-3392

5/13/2014

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 the 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.

Joseph Parker, Engineering Tech
5205 N. O'Connor Blvd., Suite 200
Irving, TX 75039
972-969-5157

Joseph Parker
Signature

State

Zip Code

Tel. Area Code

Number

Date mo day yr. **9/26/14**

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

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. Form W-15 should be filed with the following:

- An initial oil or gas completion report, **Form W-2 or G-1**, as required by Statewide or special field rules;
- **Form W-4**, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- **Form W-3**, Plugging Record, unless the 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. Where to file. The appropriate Commission District Office for the country in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. 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.

CWA4-00045

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

Form W-15
Cementing Report
Rev. 4/1/83
483-045

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) Pioneer Natural Resources	2. RRC Operator No. 665748	3. RRC District No. 7C	4. County of Well Site UPTON
5. Field Name (Wildcat or exactly as shown on RRC records) SPRABERRY (TREND AREA)	6. API No. 42-461-39159	7. Drilling Permit No. 773665	
8. Lease Name University 3-19	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 17382	11. Well No. 49H

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel String	Tool	Shoe
12. Cementing Date			5/23/2014				
13. ●Drilling hole size			12 1/4"				
●Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)			9 5/8"				
15. Top of liner (ft.)							
16. Setting depth (ft.)			9123'				
17. Number of centralizers used			38				
18. Hrs. waiting on cement before drill-out			12				
1st Slurry	19. API cement used: No. of sacks		1163				
	Class		TXI				
	Additives		Remarks				
2nd Slurry	No. of sacks		188				
	Class		H				
	Additives		Remarks				
3rd Slurry	No. of sacks						
	Class						
	Additives						
1st	20. Slurry pumped: Volume (cu. ft.)		2605				
	Height (ft.)		7509				
2nd	Volume (cu. ft.)		201				
	Height (ft.)		580				
3rd	Volume (cu. ft.)						
	Height (ft.)						
Total	Volume (cu. ft.)		2806				
	Height (ft.)		8089				
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			NO				

1st .1%D208+.5%D207+7%D20+.1%D65+.2%D46+.12%D130

2nd CLASS H + .2%D46+.2%D13+.2%D65

OVER

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

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.

Chase Sun	Dowell Schlumberger	
Name and title of cementer's representative	Cementing Company	Signature
32 E. Industrial Loop	Midland, Texas 79701	(432) 683-1887
Address	City, State, Zip Code	Tel.: Area Code Number
		Date: 23-May-14
		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.

Joseph Parker, Engineering Tech
5205 N. O'Connor Blvd., Suite 200
Irving, TX 75039
972-969-5157

	
City, State, Zip Code	Signature
	9/26/14
	Date: mo. day yr.

Form W-15, Cementing Report

Requirements of the Commission's State Rules 8 (Water Protection), 13 (Casing, and Completion) and 14 (Plugging and Abandonment) operations, see the requirements of Rule 13 (c).

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. Form W-15 should be filed with the following:

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- **Form W-3**, Plugging Record, unless the 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. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. **An operator must obtain approval of any exception before beginning casing and cementing operations.**

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. 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.

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

Form W-15
Cementing Report
Rev. 4/1/83
483.045

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) Pioneer Natural Resources TM	2. RRC Operator No. 665748	3. RRC District No. 7C	4. County of Well Site Upton
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8. Lease Name University 3-19	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 17382	11. Well No. 49H

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				7/6/2014			
13. Drilling hole size				8 1/2"			
Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				5 1/2"			
15. Top of liner (ft.)							
16. Setting depth (ft.)				18900'			
17. Number of centralizers used				39			
18. Hrs. waiting on cement before drill-out				12			
1st Slurry	19. API cement used: No. of sacks			2572			
	Class			TXI			
	Additives			Remarks			
2nd Slurry	No. of sacks						
	Class						
	Additives						
3rd Slurry	No. of sacks						
	Class						
	Additives						
1st	20. Slurry pumped: Volume (cu. ft.)			3755			
	Height (ft.)			16393			
2nd	Volume (cu. ft.)						
	Height (ft.)						
3rd	Volume (cu. ft.)						
	Height (ft.)						
Total	Volume (cu. ft.)			3755			
	Height (ft.)			16393			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				No			
1st 5% D020+ .6% D207+ .2% D46+ 75lb/bk D049+ .1% D65+ .05% D013							
2nd 0							

BKRE-00417

OVER →

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

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.

Toby Melton, FS	Dowell Schlumberger	
Name and title of cementer's representative	Cementing Company	Signature
32 E. Industrial Loop	Midland, Texas 79701	(432) 683-1887
Address	City, State, Zip Code	Tel.: Area Code Number
		Date: 6-Jul-14 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.

Joseph Parker, Engineering Tech
5205 N. O'Connor Blvd., Suite 200
Irving, TX 75039
972-969-5157

Joseph Parker	
Title	Signature
City, State, Zip Code	Tel.: Area Code Number
	Date: 9/26/14 mo. day yr.

o Form W-15, Cementing Report

Requirements of the Commission's State Rules 8 (Water Protection), 13 (Casing and Operations), and 14 (Plugging and Abandoning).

- 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. Form W-15 should be filed with the following:
- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
 - Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
 - Form W-3, Plugging Record, unless the 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. Where to file.** The appropriate Commission District Office for the county in which the well is located.
- C. Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
- D. Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.
- E. Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.
- F. Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).
- G. Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. 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.

Tracking No.: 118069

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

- with the appropriate Commission district office

Filling out Form L-1:

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: PIONEER NATURAL RES. USA, INC.	District No. 7C	Completion Date: 08/28/2014
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 773665	
Lease Name UNIVERSITY "3-19"	Lease/ID No. 17382	Well No. 49H
County UPTON	API No. 42- 461-39159	

SECTION II. LOG STATUS (Complete either A or B)

☐ A. BASIC ELECTRIC LOG NOT RUN☒ B. BASIC ELECTRIC LOG RUN. (Select one)

- ☐ 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- ☐ 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- ☐ 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- ☒ 4. Log attached to (select one):

☒ (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: _____

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). _____

Well No(s). _____

JOEY PARKER

Signature

PIONEER NATURAL RES. USA, INC.

Name (print)

REGULATORY SPECIALIST II

Title

(972) 969-5157

Phone

10/15/2014

Date

-FOR RAILROAD COMMISSION USE ONLY-

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

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

SECTION II. WELL INFORMATION

SECTION II. WELL INFORMATION		
District No.:	County:	Purpose of Filing: <input type="checkbox"/> Drilling Permit Application (Form W-1) <input type="checkbox"/> Completion Report (Form G-1/W-2)
Well No.:	API No.:	
Total Lease Acres:	Drilling Permit No.:	
Lease Name:	Lease No.:	
Field Name:	Field No.:	

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

[illegible]

Total Well Count >		< 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 IV. REMARKS / PURPOSE OF FILING (see instructions)

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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 *Dan Vito* 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.
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RAILROAD COMMISSION OF TEXAS

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

P-16 Data Sheet
Attachment

Page 1A

Rev. 1/2014

Acreage Designation Attachment

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 (CONTINUED). 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)
17382	21	V	University 3-19	46137753	40	N	
17382	22	V	University 3-19	46137628	40	N	
17382	23	V	University 3-19	46137569	80	N	
17382	24	V	University 3-19	46136415	80	N	
17382	25	V	University 3-19	46136808	80	N	
17382	26	V	University 3-19	38336849	80	N	
17382	27	V	University 3-19	46137219	80	N	
17382	28	V	University 3-19	46135291	80	N	
17382	29	V	University 3-19	46137531	80	N	
17382	30	H	University 3-19	46139018	80	N	
17382	31	H	University 3-19	46139019	80	N	
17382	32	H	University 3-19	46139020	80	Y	
17382	45	H	University 3-19	46139152	80	Y	
17382	46	H	University 3-19	46139156	80	Y	
17382	47	H	University 3-19	46139157	80	Y	
17382	49	H	University 3-19	46139159	80	Y	
Total Acreage from Page 1					760		
Total Well Count >	33		< A. Total Assigned Horiz. Acreage		1,960	< C. Total Assigned Acreage	
			< Total Remaining Horiz. Acreage		348.9	< Total Remaining Acreage	
			< B. Total Assigned Vert./Dir. Acreage				
			< Total Remaining Vert./Dir. Acreage				

