

RAILROAD COMMISSION OF TEXAS

Tracking No.: 49956

Oil and Gas Division

Status: Submitted

This facsimile W-2 was generated electronically
from data submitted to the RRC.

API No. **42- 383-37626**

7. RRC District No.
7C

8. RRC Lease No.
17301

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) SPRABERRY (TREND AREA)		2. LEASE NAME UNIVERSITY "2-23"		9. Well No. 1
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) PIONEER NATURAL RES. USA, INC.		RRC Operator No. 665748		10. County of well site REAGAN
4. ADDRESS ATTN CINDY WHIDDON P O BOX 3178 MIDLAND, TX 79702-0000				11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain In remarks) <input type="checkbox"/>
5. If Operator has changed within last 60 days, name former operator				
6a. Location (Section, Block, and Survey) 23 , 2 , UL , A-U59		6b. Distance and direction to nearest town in this county. 14.7 MILES NW FROM BIG LAKE		
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. FIELD & RESERVOIR		GAS ID or OIL LEASE #	Oil-0 Gas-G	Well #
N/A				
13. Type of electric or other log run Acceptable cased hole logs		14. Completion or recompletion date 06/18/2012		

SECTION I- POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified infield rules.

15. Date of test 07/05/2012	16. No. of hours tested 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump) Pumping			18. Choke size
19. Production during Test Period	Oil - BBLS 45.0	Gas - MCF 39	Water - BBLS 176	Gas - Oil Ratio 866	Flowing Tubing Pressure PSI
20. Calculated 24-Hour Rate	Oil - BBLS 45.0	Gas - MCF 39	Water - BBLS 176	Oil Gravity-API-60° 44.0	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells) 659.0		23. Injection Gas-Oil Ratio 866.67	
REMARKS: NEW WELL. LOG BEING MAILED TO RRC AUSTIN.					

INSTRUCTIONS: File an original and one copy of the completed FormW-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

	WELL TESTERS CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.
Signature: Well Tester _____	Name of Company _____
RRC Representative _____	

	OPERATOR'S CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct and complete, to the best of my knowledge.
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> PIONEER NATURAL RES. USA, INC. Type or printed name of operator's representative (972) 444-9001 Telephone: Area Code Number Month Day Year </div> <div style="width: 45%;"> ENGINEERING TECH Title of Person CASI RENFRO Signature </div> </div>	

SECTION III						DATA ON WELL COMPLETION AND LOG (Not Required on Retest)											
24. Type of Completion <div>New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/></div>							25. Permit to Drill, Plug Back or Deepen DATE 01/12/2012 PERMIT NO. 731126 Rule 37 Exception CASE NO. Water Injection Permit PERMIT NO. Salt Water Disposal Permit PERMIT NO. Other PERMIT NO.										
26. Notice of Intention to Drill this well was filed in Name of PIONEER NATURAL RES. USA, INC.																	
27. Number of producing wells on this lease in this field (reservoir) including this well 2				28. Total number of acres in this lease 329.5													
29. Date Plug Back, Deepening, Workover or Drilling Operations:		Commenced 04/26/2012		Completed 05/09/2012		30. Distance to nearest well, Same Lease & Reservoir 4072.0											
31. Location of well, relative to nearest lease boundaries						520.0 Feet From East Line and 660.0 Feet from North Line of the UNIVERSITY 2-23 Lease											
32. Elevation (DF, RKB, RT, GR ETC.) 2630 GL						33. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
34. Top of Pay 6278		35. Total Depth 10299		36. P. B. Depth 10273		37. Surface Casing Determined by Field Rules <input type="checkbox"/>		Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter 01/12/2012 Dt. of Letter							
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	
39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR N/A										GAS ID or OIL LEASE #		Oil-G Gas-G		Well #			
40. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools		41. Name of Drilling Contractor PATTERSON-UTI DRILLING COMPANY LLC.													42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
43. CASING RECORD (Report All Strings Set in Well)																	
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)		HOLE SIZE		TOP OF CEMENT		SLURRY VOL. cu. ft.			
8 5/8		23.0 32.0		558				CLASS C 250		11		0		428.0			
4 1/2		11.6		10296				TXI 1610		7 7/8		1900		2608.0			
44. LINER RECORD																	
Size		Top			Bottom			Sacks Cement			Screen						
N/A																	
45. TUBING RECORD																	
Size		Depth Set		Packer Set		From		6678		To		7164					
2 3/8		6560				From		7648		To		7828					
						From		7974		To		10060					
						From				To							
46. Producing Interval (this completion) Indicate depth of perforation or open hole																	
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																	
Depth Interval					Amount and Kind of Material Used												
6678.0 7164.0					146,589G 15# XLINK/LINEAR GEL; 304,648# 20/40 MSD; 1,500G 15% HCL												
7648.0 7828.0					76,918G 15# XLINK GEL; 157,809# 20/40 MSD; 1,500G 15% HCL												
7974.0 10060.0					1,034,891G FR/12# XL ASSIST; 838,772# 20/40 MSD; 9,000G 15% HCL												
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																	
Formations				Depth				Formations				Depth					
TOP UPPER SPRABERRY				6278.0				TOP OF WOLFCAMP				7830.0					
TOP LOWER SPRABERRY				6830.0													
TOP OF DEAN				7654.0													
REMARKS: N/A																	

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) <i>Pioneer Natural Resources</i>	2. RRC Operator No. <i>685748</i>	3. RRC District No. <i>7C</i>	4. County of Well Site <i>Reagan</i>
5. Field Name (Wildcat or exactly as shown on RRC records) <i>Spraberry (Trend Area)</i>	6. API No. <i>42-383-37626</i>	7. Drilling Permit No. <i>731126</i>	
8. Lease Name <i>University 2-23</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <i>17301</i>	11. Well No. <i>1</i>

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		<i>4/26/2012</i>					
13. ●Drilling hole size		<i>11</i>					
●Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)		<i>8 5/8</i>					
15. Top of liner (ft.)							
16. Setting depth (ft.)		<i>998</i>					
17. Number of centralizers used		<i>4</i>					
18. Hrs. waiting on cement before drill-out		<i>12</i>					
1st Slurry	19. API cement used: No. of sacks ▶	<i>250</i>					
	Class ▶	<i>C</i>					
	Additives ▶	<i>Remarks</i>					
2nd Slurry	No. of sacks ▶	<i>0</i>					
	Class ▶						
	Additives ▶	<i>Remarks</i>					
3rd Slurry	No. of sacks ▶	<i>0</i>					
	Class ▶	<i>0</i>					
	Additives ▶	<i>None</i>					
1st	20. Slurry pumped: Volume (cu. ft.) ▶	<i>428</i>					
	Height (ft.) ▶	<i>1682</i>					
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶	<i>0</i>					
	Height (ft.) ▶	<i>0</i>					
Total	Volume (cu. ft.) ▶	<i>0</i>					
	Height (ft.) ▶	<i>0</i>					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		<i>Yes</i>					
1st <i>4%D20+ 2%S001</i>							
2nd <i>0</i>							

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.

Seth Martin

Dowell Schlumberger

Seth Martin

Name and title of cementer's representative

Cementing Company

Signature

32 E. Industrial Loop

Midland, Texas 79701

(432) 683-1887

26-Apr-12

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

Casi Renfro, EngineeringTech

Title

Signature

5205 N. O'Connor Blvd., Suite 200

Casi Renfro

Address Irving, TX 75039

City, State, Zip Code

Tel.: Area Code Number

Date: mo. day yr.

972.969.5687

is to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's State 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 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.

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. 669748	3. RRC District No. 7C	4. County of Well Site Keagan
5. Field Name (Wildcat or exactly as shown on RRC records) Spraberry (Trend Area)	6. API No. 42-383-37626	7. Drilling Permit No. 731128	
8. Lease Name University 2-23	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 17301	11. Well No. 1

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				5/8/2012			
13. ●Drilling hole size				7 7/8			
●Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				4 1/2			
15. Top of liner (ft.)							
16. Setting depth (ft.)				10296			
17. Number of centralizers used				28			
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ▶			1610			
	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.) ▶			2608			
	Height (ft.) ▶			11450			
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			2608			
	Height (ft.) ▶			11450			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				No			
1st	.250%D207+.1%D065+.200%D046+.700%D800+3%D020 + 2lb/skD042						
2nd	0						

OVER ➔

CEMENTING TO PLUG AND ABANDON	#1	PLUG #2	PLUG #3	PLUG #4	#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.

Monica Shin, FE

Name and title of cementer's representative

32 E. Industrial Loop

Address

Dowell Schlumberger

Cementing Company

Midland, Texas 79701

City, State, Zip Code

Signature

(432) 683-1887

Tel.: Area Code Number

8-May-12

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

Casi Renfro, EngineeringTech

5205 N. O'Connor Blvd., Suite 200

Irving, TX 75039

Ac 972.969.5687

certification covers all well data.

Title

Signature

City, State, Zip Code

Tel.: Area Code Number

Date: mo. day yr.

ions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's State 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 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.

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

Form W-12
(1-1-71)

RIG #: 151

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District 7C
1. FIELD NAME (as per RRC Records or Wildcat) Spraberry (Trend Area)	2. LEASE NAME UNIVERSITY 2-23	7. RRC Lease Number (Oil completions only) 173a1
3. OPERATOR PIONEER NATURAL RESOURCES		8. Well Number 1
4. ADDRESS 5205 N. O'CONNOR #1400, IRVING, TEXAS 75039		9. RRC Identification Number (Gas completions only)
5. LOCATION (Section, Block and Survey) Sec. 23, Blk. 2, University Land, A-659		10. County Reagan

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)
513	5.13	1.10	1.92	9.85	9.85
965	4.52	0.80	1.40	6.31	16.16
1465	5.00	0.70	1.22	6.11	22.27
1965	5.00	0.60	1.05	5.24	27.50
2574	6.09	0.80	1.40	8.50	36.01
3074	5.00	0.20	0.35	1.75	37.75
3545	4.71	0.40	0.70	3.29	41.04
3997	4.52	0.40	0.70	3.16	44.20
4497	5.00	0.40	0.70	3.49	47.69
5130	6.33	0.30	0.52	3.31	51.00
5630	5.00	0.30	0.52	2.62	53.62
6014	3.84	0.30	0.52	2.01	55.63
6678	6.64	0.50	0.87	5.79	61.42
7130	4.52	0.60	1.05	4.73	66.16
7625	4.95	1.00	1.75	8.64	74.80
8125	5.00	0.70	1.22	6.11	80.90

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 **9615** feet = **103.41** 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 **920** feet.
21. Minimum distance to lease line as prescribed by field 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 above question is "yes," attach written explanation of the circumstances.)

<p>INCLINATION DATA CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both side of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Michelle Brown</i></p> <p>Signature of Authorized Representative MICHELLE BROWN, ADMIN ASSISTANT</p> <p>Name of Person and Title (type or print) PATTERSON-UTI DRILLING COMPANY LLC.</p> <p>Name of Company</p> <p>Telephone: 432 - 561-9382 Area Code</p>	<p>OPERATOR CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data is presented on both sides of this forms are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Casi Renfro</i></p> <p>Signature of Authorized Representative</p> <p>Casi Renfro, Engineering Tech</p> <p>5205 N. O'Connor Blvd., Suite 200</p> <p>Irving, TX 75039</p> <p>972.969.5687</p>
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Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

RECORD OF INCLINATION (Continued from reverse side)

[illegible]

If additional space is needed, attach separate sheet and check here. ☐

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re - entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled; by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

Tracking No.: 49956

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: 06/18/2012
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 731126	
Lease Name UNIVERSITY "2-23"	Lease/ID No. 17301	Well No. 1
County REAGAN	API No. 42- 383-37626	

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). _____

CASI RENFRO

Signature

PIONEER NATURAL RES. USA, INC.

Name (print)

ENGINEERING TECH

Title

(972) 444-9001

Phone

07/24/2012

Date

-FOR RAILROAD COMMISSION USE ONLY-

STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS

Form P-15
(5-5-71)

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the PIONEER NATURAL RES. USA, INC.
UNIVERSITY '2-23' OPERATOR, No. 1 WELL; that such well is
LEASE completed in the SPRABERRY (TREND AREA) Field, REAGAN County,
Texas and that the acreage claimed, and assigned to such well for proration purposes as
authorized by special rule and as shown on the attached certified plat embraces 80.00
80.00 acres which can reasonably be considered to be productive of hydrocarbons.

- CERTIFICATE -

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

Date 7/20/2012 Signature Cari

Telephone (972) 969-5687 Title ENGINEERING TECH.
AREA CODE

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date **January 12, 2012**

GAU File No.: SC- **10658**

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

API Number **38337626**

Attention: **SHERONDA GREENWOOD**

RRC Lease No. **000000**

SC_665748_38337626_000000_10658.pdf

PIONEER NATURAL RESOURCES USA
5205 N OCONNOR BLVD
STE 200W
IRVING TX 75039

P-5# 665748

--Measured--

2173 ft FWL

660 ft FNL

MRL:SECTION

Digital Map Location:

X-coord/Long **1574088**

Y-coord/Lat **586578**

Datum **27** Zone **C**

County **REAGAN**

Lease & Well No. **UNIVERSITY 2-23 #1**

Purpose **ND**

Location **SUR-UL, BLK-2, SEC-23, -- [TD=10700] , [RRC 7C] ,**


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

The interval from the land surface to a depth of 500 feet must be protected.

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

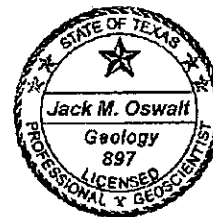
If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,


Digitally signed by Jack Oswalt
DN: c=US, st=TEXAS, I=Austin,
o=Railroad Commission of Texas,
cn=Jack Oswalt,
email=jack.oswalt@rrc.state.tx.us
Date: 2012.01.12 10:11:34 -0600

Jack M. Oswalt, P.G.

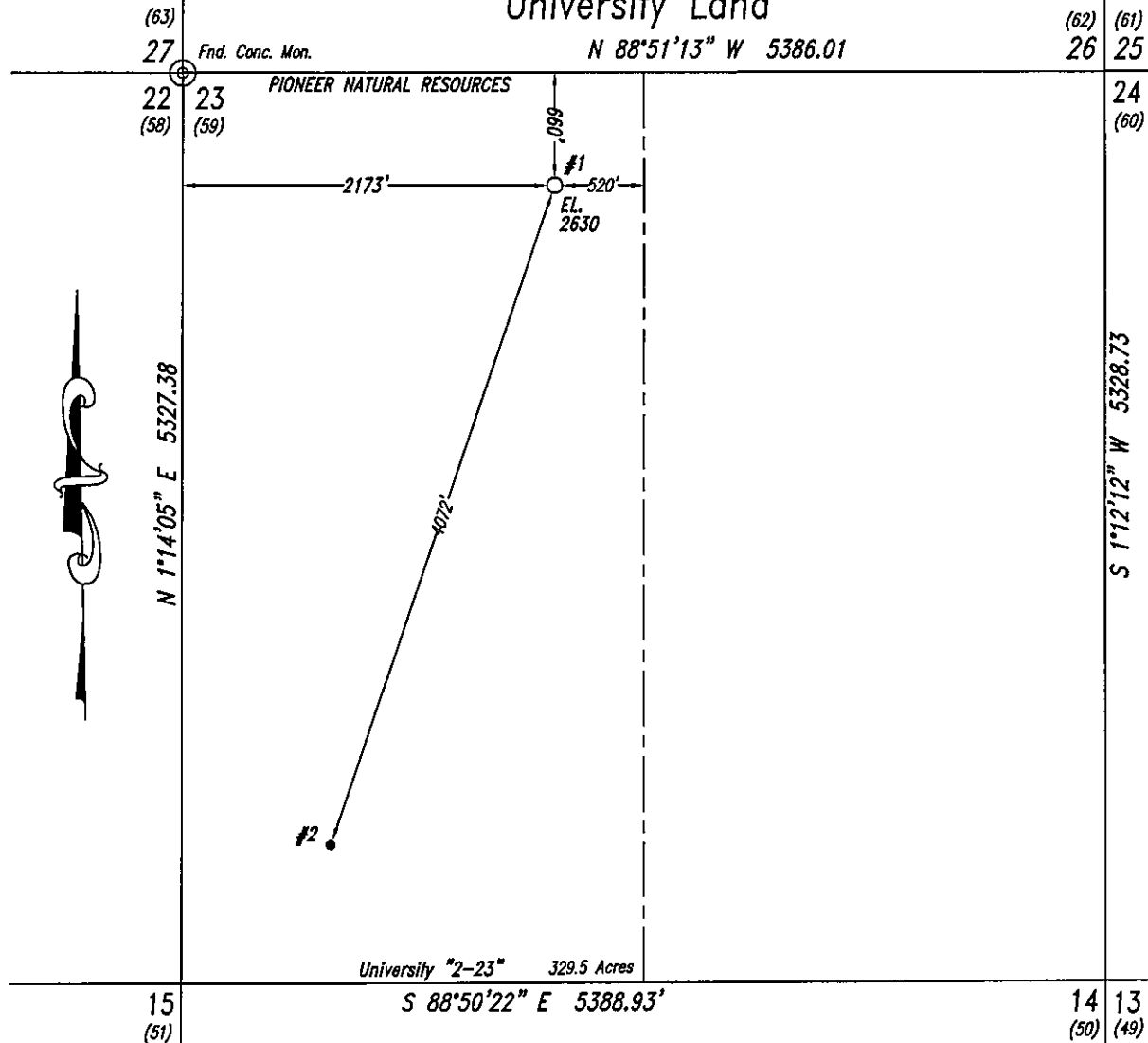
GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 1/12/2012
Note: Alteration of this electronic document will invalidate the digital signature.

Block 2, University Land



Note: Survey Reconstruction filed in the Office of Luchini and Mertz Land Surveying Company.
 Note: All bearings and coordinates shown are based on the Texas Coordinate System of 1927, Central Zone.
 A combined grid factor of 0.999765054 must be divided into Section Line distances to obtain a true horizontal distance.
 Note: Example: (S-99999) indicates General Land Office file number.
 Note: NAD '27 Coordinates & Latitude/Longitude on well location in Section 22.
 Note: Well location is approximately 14.7 miles northwest of Big Lake.

#1
 X: 1574087.92 Latitude - 31.27236050°N
 Y: 586578.49 Longitude - 101.69666766°W
 Latitude - 31°16'20.50"N Longitude - 101°41'48.00"W

Railroad Commission Permit Plat

PIONEER NATURAL RESOURCES USA, Inc.
 University "2-23" Lease
 W/2 of
 Section 23, Block 2,
 University Land,
 Reagan County, Texas

Scale: 1" = 1000'



November 1, 2011

111101M1

