

**RAILROAD COMMISSION OF TEXAS****Form W-2**

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

Status: Submitted  
Date: 04/09/2015  
Tracking No.: 131304

**OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG****OPERATOR INFORMATION**

Operator Name: DEVON ENERGY PRODUCTION CO, L.P. Operator No.: 216378  
Operator Address: ATTN: VICTORIA SANCHEZ 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102-5010

**WELL INFORMATION**

API No.: 42-383-39224 County: REAGAN  
Well No.: 10H RRC District No.: 7C  
Lease Name: UNIVERSITY 43-15 Field Name: LIN (WOLFCAMP)  
RRC Lease No.: 17793 Field No.: 53613750  
Location: Section: 15, Block: 43, Survey: UL, Abstract: U308  
  
Latitude: 31.10773 Longitude: -101.29273  
This well is located 11.55 miles in a SE  
direction from BIG LAKE,  
which is the nearest town in the county.

**FILING INFORMATION**

Purpose of filing: Initial Potential  
Type of completion: New Well  
Well Type: Producing Completion or Recompletion Date: 01/30/2015  

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	10/09/2014	797496
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

**COMPLETION INFORMATION**

Spud date: 10/23/2014	Date of first production after rig released: 01/30/2015
Date plug back, deepening, recompletion, or drilling operation commenced: 10/23/2014	Date plug back, deepening, recompletion, or drilling operation ended: 11/22/2014
Number of producing wells on this lease in this field (reservoir) including this well: 9	Distance to nearest well in lease & reservoir (ft.): 31.0
Total number of acres in lease: 1344.30	Elevation (ft.): 2653 GL
Total depth TVD (ft.): 6752	Total depth MD (ft.): 15208
Plug back depth TVD (ft.): 6752	Plug back depth MD (ft.): 15158
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 72.6
Recompletion or reclass? No	Is Cementing Affidavit (Form W-15) attached? Yes
Type(s) of electric or other log(s) run: None	Multiple completion? No
Electric Log Other Description:	
Location of well, relative to nearest lease boundaries	Off Lease : No
of lease on which this well is located:	South Line and
1730.0 Feet from the	East Line of the
2693.0 Feet from the	UNIVERSITY 43-15 Lease.

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

Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
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PACKET: N/A

W2: N/A

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

GAU Groundwater Protection Determination

Depth (ft.): 850.0

Date: 10/02/2014

SWR 13 Exception

Depth (ft.):

**INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION**

Date of test: 02/06/2015

Production method: Flowing

Number of hours tested: 24

Choke size: 64/64

Was swab used during this test? No

Oil produced prior to test: 3020.00

**PRODUCTION DURING TEST PERIOD:**

Oil (BBLs): 306.00

Gas (MCF): 395

Gas - Oil Ratio: 1290

Flowing Tubing Pressure: 170.00

Water (BBLs): 910

**CALCULATED 24-HOUR RATE**

Oil (BBLs): 306.0

Gas (MCF): 395

Oil Gravity - API - 60.: 39.0

Casing Pressure: 1040.00

Water (BBLs): 910

**CASING RECORD**

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Shoe Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	9 5/8	12 1/4	1014		CLASS C	460	805.0	0	Circulated to Surface
2	Conventional Production	5 1/2	8 3/4	15208		CLASS H	2770	4408.0	0	Circulated to Surface

**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
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N/A

**TUBING RECORD**

Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	6901	/

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 7009	15051.0

**ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.**

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG): 6800.0

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 6480

Actual maximum pressure (PSIG) during hydraulic fracturing: 8310

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	FRAC WITH 204,352 BBL. SLICKWATER + 7,592,349 LBS. SAND	7009 15051

**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>
GRAYBURG	Yes	2750.0	2750.0	Yes	ESTIMATE
QUEEN	Yes	2570.0	2570.0	Yes	ESTIMATE
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY	Yes	3285.0	3285.0	Yes	ESTIMATE
CLEARFORK	Yes	5000.0	5000.0	Yes	ESTIMATE
SPRABERRY	Yes	5428.0	5429.0	Yes	ACTUAL
DEAN	Yes	6214.0	6219.0	Yes	ACTUAL
WOLFCAMP	Yes	6334.0	6408.0	Yes	ACTUAL
STRAWN	No			No	DID NOT DRILL TO STRAWN FORMATION
FUSSELMAN	No			No	DID NOT DRILL TO FUSSELMAN FORMATION
ELLENBURGER	No			No	DID NOT DRILL TO ELLENBURGER FORMATION

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**

KOP IS @ 5,710'. DISTANCE TO THE NEAREST WELL HAS CHANGED FROM 18' TO 31'.

**RRC REMARKS****PUBLIC COMMENTS:****CASING RECORD :****TUBING RECORD:****PRODUCING/INJECTION/DISPOSAL INTERVAL :****ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :****POTENTIAL TEST DATA:****OPERATOR'S CERTIFICATION**

**Printed Name:** Annette Raines  
**Telephone No.:** (405) 228-8217

**Title:** Regulatory Specialist  
**Date Certified:** 04/09/2015

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

TR. #131304

1. Operator's Name (As shown on Form P-5, Organization Report) <b>Devon Energy Production Co., L.P.</b>	2. RRC Operator No. <b>216378</b>	3. RRC District No. <b>7C</b>	4. County of Well Site <b>REAGAN</b>
5. Field Name (Wildcat or exactly as shown on RRC Records) <b>LIN (Wolfcamp)</b>		6. API No. <b>42-383-39224</b>	7. Drilling Permit No. <b>797496</b>
8. Lease Name <b>UNIVERSITY 43-15</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>17793</b>	11. Well No. <b>10H</b>

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		10/24/14					
13. • Drilled 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.)		1014					
17. Number of centralizers used		7					
18. Hrs. Waiting on cement before drill-out		8 +					
1 <sup>st</sup> Slurry	19. API cement used: No. of sacks ▶	460					
	Class ▶	"C"					
	Additives ▶	#22					
2 <sup>nd</sup> Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
3 <sup>rd</sup> Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶	805					
	Height (ft.) ▶	2570					
2nd	Volume (cu. ft.) ▶	0					
	Height (ft.) ▶	0					
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶	805					
	Height (ft.) ▶	2570					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?		YES					
Remark: 1 <sup>ST</sup> SLURRY- CLASS C + 4%GEL + 2%CaCl2 + .01%STATIC FREE +.125PPS CELLOFLAKE CIRCULATED 112 SACKS (35 BBLs) AT 13.5 PPG							

TR. #131304

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. (lb/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties 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.

Cole Thornton, Field Specialist

BAKER HUGHES OILFIELD  
OPERATIONS
  
Signature

Name and title of cementer's representative

Cementing Company

P.O. Box 1135

Eldorado Texas 76936  
City, State, Zip Code(325) 853-2553  
Tel.: Area Code Number10/24/2014  
Date: mo. day yr.

Address

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.

Annette Raines

Regulatory Advisor

Annette Raines

Typed or printed name of operator's representative

Title

Signature

333 W. Sheridan Ave. OK OK 73102 405-228-8217 3/26/15  
Address City, State, Zip Code Tel.: Area Code Number Date: mo. day yr.

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 rates;
- 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 Committee.

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 Non-deviated 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 (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 foot 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.

Cement: 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

TR. # 131304

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8. Lease Name <b>UNIVERSITY 43-15</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>17793</b>	11. Well No. <b>10H</b>

CASING CEMENTING DATA:		Surface Casing	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				<b>11/21/14</b>			
13. • Drilled Hole Size				<b>8 3/4"</b>			
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				<b>5 1/2"</b>			
15. Top of liner (ft.)							
16. Setting depth (ft.)				<b>15,208'</b>			
17. Number of centralizers used				<b>170</b>			
18. Hrs. Waiting on cement before drill-out				<b>8+</b>			
1 <sup>st</sup> Slurry	19. API cement used: No. of sacks ▶			<b>770</b>			
	Class ▶			<b>"H"</b>			
	Additives ▶			<b>#22</b>			
2 <sup>nd</sup> Slurry	No. of sacks ▶			<b>2000</b>			
	Class ▶			<b>"H"</b>			
	Additives ▶			<b>#22</b>			
3 <sup>rd</sup> Slurry	Class ▶						
	Additives ▶						
1 <sup>st</sup>	20. Slurry pumped: Volume (cu. ft.) ▶			<b>1848</b>			
	Height (ft.) ▶			<b>7316</b>			
2 <sup>nd</sup>	Volume (cu. ft.) ▶			<b>2560</b>			
	Height (ft.) ▶			<b>10134</b>			
3 <sup>rd</sup>	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			<b>4408</b>			
	Height (ft.) ▶			<b>17450</b>			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?				<b>YES</b>			
<b>Remarks: 1<sup>st</sup> SLURRY CLASS "H" 50/50 POZ+10%GEL+0.8%FL-52+0.8%ASA-301+0.65%SMS+3#KOLSEAL+0.25#CELLOFLAKE+.01%STATIC FREE+2% SALT{bwow} 2<sup>nd</sup> CLASS H 50/50 POZ+0.5%FL-52+0.5%FL-25+0.3%CD-32+0.6%SMS+.01%STATIC FREE+5%SALT{bwow}+0.15%R-21 CIRCULATED 30 BBLs AT 11.8 PPG 70 SKS</b>							

TR. #131304

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. (lb/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties 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.

**JESUS LOPEZ, Service Supervisor**

Name and title of cementer's representative

**: Baker Hughes Oilfield Operations Inc.**

Cementing Company

Signature **P.O. Box 1135**

Address

**Eldorado**

City,

**Texas**

State,

**76936**

Zip Code

**(325) 853-2553**

Tel.: Area Code

Number

**11/21/14**

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.

Annette Raines

Typed or printed name of operator's representative

Regulatory Advisor

Title

Annette Raines

Signature

333 W. Sheridan Ave.

Address

OKC OK 73102

City,

State,

Zip Code

405-228-8217

Tel.: Area Code

Number

3/26/15

Date: mo. day yr.

Instructions to Form W-15, Cementing Report

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  - 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.
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- 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 Committee.
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- 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 (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 foot 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

ELECTRIC LOG  
STATUS REPORT

FORM L-1

Tracking No.: 131304

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: DEVON ENERGY PRODUCTION CO, L.P.	District No. 7C	Completion Date: 01/30/2015
Field Name LIN (WOLFCAMP)	Drilling Permit No. 797496	
Lease Name UNIVERSITY 43-15	Lease/ID No. 17793	Well No. 10H
County REAGAN	API No. 42- 383-39224	

## 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). \_\_\_\_\_

Annette Raines

Signature

DEVON ENERGY PRODUCTION CO, L.P.

Name (print)

Regulatory Specialist

Title

(405) 228-8217

Phone

04/09/2015

Date

-FOR RAILROAD COMMISSION USE ONLY-



STATEMENT OF PRODUCTIVITY OF ACREAGE  
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 131304

This facsimile P-15 was generated electronically  
from data submitted to the RRC.

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the DEVON ENERGY PRODUCTION CO, L.P. ,

UNIVERSITY 43-15 , No. 10H ; that such well is  
LEASE OPERATOR WELL

completed in the LIN (WOLFCAMP) 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 \_\_\_\_\_  
120.0 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,*

Date 04/09/2015 Signature Annette Raines

Telephone (405) 228-8217 Title Regulatory Specialist  
AREA CODE

Date: mo. day yr.

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Date October 2, 2014

GAU File No.: 12077

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

API Number 38300000

Attention: ANNETTE RAINES

RRC Lease No. 000000

SC\_216378\_38300000\_000000\_12077.pdf

DEVON ENERGY PRODUCTION CO LP  
333 W SHERIDAN AVE  
OKLAHOMA CITY OK 73102

--Measured--

2720 ft FEL

1700 ft FSL

MRL:SECTION

Digital Map Location:

X-coord/Long 101.29281

Y-coord/Lat 31.10765

Datum 83 Zone

P-5# 216378

County REAGAN

Lease & Well No. UNIVERSITY 43-15 #9H&PAD

Purpose ND

Location SUR-UL,BLK-43,SEC-15,--[TD=7000],[RRC 7C],

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

The interval from the land surface to the base of the SANTA ROSA, which is estimated to occur at a depth of 850 feet, must be protected.


This recommendation is applicable to all wells drilled on this pad.

*University 43-15 #10H*

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).

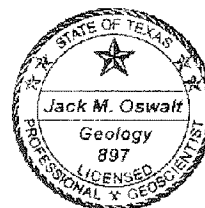
If you have any questions, please contact us at 512-463-2741, [gau@rrc.state.tx.us](mailto:gau@rrc.state.tx.us), or by mail.

Sincerely,

  
Digitally signed by Jack Oswalt  
DN: c=US, st=TEXAS, l=Austin,  
o=Railroad Commission of Texas,  
cn=Jack Oswalt,  
email=jack.oswalt@rrc.state.tx.us  
Date: 2014.10.02 14:36:55 -05'00'

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 10/2/2014  
Note: Alteration of this electronic document will invalidate the digital signature.

I hereby certify that this plat  
is true and correct to the best  
of my belief and knowledge

*Annette Raines*  
Annette Raines

SECTION  
BLOCK 43  
UNIVERSITY LAND  
SURVEY



SECTION 4  
BLOCK 43  
UNIVERSITY LAND  
SURVEY

SECTION 10  
BLOCK 48  
UNIVERSITY LAND  
SURVEY

SECTION 7  
BLOCK 43  
UNIVERSITY LAND  
SURVEY

SECTION 6  
BLOCK 43  
UNIVERSITY LAND  
SURVEY

SECTION 11  
BLOCK 48  
UNIVERSITY LAND  
SURVEY

SECTION 14  
BLOCK 43  
UNIVERSITY LAND  
SURVEY

SECTION 17  
BLOCK 43  
UNIVERSITY LAND  
SURVEY

SECTION 16  
BLOCK 43  
UNIVERSITY LAND  
SURVEY

Legend

- 10H SHL
- 10H PP
- 10H 1TP
- 10H LTP
- ⊗ 10H BHL
- ➔ 10H DIMS
- 10H WELLPATH
- Extra\_Wells
- Survey\_Lines
- Lease\_Boundary

10H SHL  
Elev: 2653  
Lat: 31.10773  
Lon: -101.29273  
NAD 83, US TX  
Central Zone

Nearest  
Well  
31

1H SHL

2H & 3H  
SHL

4H & 5H  
SHL

6H SHL

7H SHL

Well Location is 11.55 miles SE of the Courthouse in Big Lake, Reagan County, Texas.

Total Depth: 6752' (Elev 2653)  
Surface Hole Location:  
1730' FSL & 2693' FEL of the University Land Survey  
1730' FSL & 2693' FEL of the lease.  
Penetration Point:  
1799' FSL & 2676' FEL of the University Land Survey  
1799' FSL & 2676' FEL of the lease.  
First Take Point:  
2336' FSL & 2680' FEL of the University Land Survey  
2336' FSL & 2680' FEL of the lease.  
Last Take Point:  
259' FNL & 2720' FWL of the University Land Survey  
259' FNL & 2720' FWL of the lease.  
Bottom Hole location:  
102' FNL & 2725' FWL of the University Land Survey  
102' FNL & 2725' FWL of the lease.

0 500 1,000 2,000 Feet

SCALE 1"=1000'

Devon Energy Production Company L.P.  
333 W Sheridan - Oklahoma City 73102

University 43-15 #10H  
1344.30 Acres in Lease  
Lin (Wolfcamp) Field  
University Land Survey  
Reagan County, Texas

DATE: 04/02/2015  
by AC