

# RAILROAD COMMISSION OF TEXAS

Tracking No.: 98010

Status: Submitted

Oil and Gas Division

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

API No. **42- 383-38405**

7. RRC District No.

**7C**

8. RRC Lease No.

**17844**

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

1. FIELD NAME (as per RRC Records or Wildcat) <b>LIN (WOLFCAMP)</b>		2. LEASE NAME <b>UNIVERSITY 10</b>		9. Well No. <b>3606HR</b>	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <b>DEVON ENERGY PRODUCTION CO, L.P.</b>		RRC Operator No. <b>216378</b>		10. County of well site <b>REAGAN</b>	
4. ADDRESS <b>ATTN VICTORIA SANCHEZ 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102-5010</b>				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) <b>36 , 10 , UL , A-U242</b>		6b. Distance and direction to nearest town in this county. <b>BIG LAKE</b>			
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. <b>FIELD &amp; RESERVOIR</b>			GAS ID or OIL LEASE #	Oil-0 Gas-G	Well #
<b>N/A</b>					
13. Type of electric or other log run <b>None</b>			14. Completion or recompletion date <b>10/16/2013</b>		

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

15. Date of test <b>02/16/2014</b>	16. No. of hours tested <b>24</b>	17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump) <b>Gas Lift</b>			18. Choke size <b>39</b>
19. Production during Test Period	Oil - BBLs <b>351.0</b>	Gas - MCF <b>165</b>	Water - BBLs <b>746</b>	Gas - Oil Ratio <b>470</b>	Flowing Tubing Pressure <b>540.0</b> PSI
20. Calculated 24-Hour Rate	Oil - BBLs <b>351.0</b>	Gas - MCF <b>165</b>	Water - BBLs <b>746</b>	Oil Gravity-API-60° <b>36.0</b>	Casing Pressure <b>1150.0</b> 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) <b>3265.0</b>			23. Injection Gas-Oil Ratio
REMARKS: N/A					

INSTRUCTIONS: File an original and one copy of the completed Form W-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.

**DEVON ENERGY PRODUCTION CO, L.P.**

Type or printed name of operator's representative

**(405) 552-3574**

**02/21/2014**

Telephone: Area Code

Number

Month Day Year

**Regulatory Compliance**

Title of Person

**Trina Cooper**

Signature

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)			
24. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>						25. Permit to Drill, Plug Back or Deepen DATE <b>08/01/2013</b> PERMIT NO. <b>767393</b> Rule 37 Exception CASE NO.							
26. Notice of Intention to Drill this well was filed in Name of <b>DEVON ENERGY PRODUCTION CO, L.P.</b>						Water Injection Permit PERMIT NO.							
27. Number of producing wells on this lease in this field (reservoir) including this well <b>7</b>			28. Total number of acres in this lease <b>7906.26</b>			Salt Water Disposal Permit PERMIT NO.							
29. Date Plug Back, Deepening, Workover or Drilling Operations: <b>08/18/2013</b>			Commenced <b>10/16/2013</b>		Completed <b>855.0</b>		30. Distance to nearest well, Same Lease & Reservoir						
31. Location of well, relative to nearest lease boundaries <b>8591.0</b> Feet From <b>North</b> Line and <b>4458.0</b> Feet from <b>West</b> Line of the <b>UNIVERSITY 10</b> Lease													
32. Elevation (DF, RKB, RT, GR ETC.) <b>2751</b> <b>GL</b>					33. Was directional survey made other than inclination (Form W-12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								
34. Top of Pay <b>8136 MD:16376</b>		35. Total Depth <b>8136 MD:16332</b>		36. P. B. Depth <b>8136 MD:16332</b>		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 <b>12/20/2012</b> 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. <b>FIELD &amp; RESERVOIR</b> <b>N/A</b>						GAS ID or OIL LEASE #		Oil-G Gas-G					
40. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools		41. Name of Drilling Contractor						42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" 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.						
13 3/8		901		C 720	17 1/2	0	1260.0						
9 5/8		7188		C 1145	12 1/4	4426	1583.0						
9 5/8		7188	4426	C 1445	12 1/4	2680	2327.0						
5 1/2		16376		H 2645	8 3/4	1432	3775.0						
44. LINER RECORD													
Size		Top		Bottom		Sacks Cement		Screen					
N/A													
45. TUBING RECORD													
Size	Depth Set	Packer Set	46. Producing Interval (this completion) Indicate depth of perforation or open hole										
2 7/8	8374		From L1 8460 To 16322										
			From To										
			From To										
			From To										
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.													
Depth Interval			Amount and Kind of Material Used										
8460.0		16322.0		FRAC WITH 193,538 BBLS SLICKWATER + 6,186,354 LBS OF SAND									
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)													
Formations		Depth		Formations		Depth							
LOWER SPRABERRY		6630.0 MD: 6630.0											
DEAN		7422.0 MD: 7440.0											
WOLFCAMP		7589.0 MD: 7608.0											
REMARKS: KOP @ 7511'. DISTANCE TO THE NEAREST WELL CHANGED FROM 720' TO 855'. WRO WAS SUBMITTED (TR#95124) ON 1/16/2014. W-15'S, L-1 AND GAU LETTER SUBMITTED W/ WRO PACKET. THIS IS THE 7TH WELL COMPLETED ON THIS LEASE IN THIS FIELD.													

## RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

ELECTRIC LOG  
STATUS REPORT

FORM L-1

Tracking No.: 98010

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: 10/16/2013
Field Name LIN (WOLFCAMP)	Drilling Permit No. 767393	
Lease Name UNIVERSITY 10	Lease/ID No. 17844	Well No. 3606HR
County REAGAN	API No. 42- 383-38405	

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

Trina Cooper

Signature

DEVON ENERGY PRODUCTION CO, L.P.

Name (print)

Regulatory Compliance

Title

(405) 552-3574

Phone

02/21/2014

Date

-FOR RAILROAD COMMISSION USE ONLY-

STATEMENT OF PRODUCTIVITY OF ACREAGE  
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 98010

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. ,

OPERATOR

UNIVERSITY 10

LEASE

No. 3606HR

WELL

; that such well is

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 \_\_\_\_\_

280.0 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, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge,*

Date 02/21/2014

Signature Trina Cooper

Telephone (405) 552-3574

AREA CODE

Title Regulatory Compliance

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

**JLROAD COMMISSION OF TEXAS**  
**Oil and Gas Division**

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

TR. # 95124

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>42-383-38405</b>	7. Drilling Permit No. <b>767393</b>
8. Lease Name <b>UNIVERSITY 10</b>		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>17844</b>
			11. Well No. <b>3606HR</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			8/22/13					
13. • Drilled Hole Size			17 1/2					
• Est. % wash or hole enlargement								
14. Size of casing (in. O.D.)			13 3/8"					
15. Top of liner (ft.)								
16. Setting depth (ft.)			901'					
17. Number of centralizers used			11					
18. Hrs. Waiting on cement before drill-out			8+					
1st Slurry	19. API cement used: No. of sacks ▶	720						
	Class ▶	"C"						
	Additives ▶	#22						
2nd Slurry	No. of sacks ▶							
	Class ▶							
	Additives ▶							
3rd Slurry	Class ▶							
	Additives ▶							
1st	20. Slurry pumped: Volume (cu. ft.) ▶	1260						
	Height (ft.) ▶	1813						
2nd	Volume (cu. ft.) ▶							
	Height (ft.) ▶							
3rd	Volume (cu. ft.) ▶							
	Height (ft.) ▶							
Total	Volume (cu. ft.) ▶	1260						
	Height (ft.) ▶	1813						
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?			YES					
Remarks: 1 <sup>st</sup> SLURRY CLASS "C"+2% CACI2+0.25pps CELLOFLAKE+4% GEL +.01% STATIC FREE								
CIRCULATED { 70 BBLS AT 13.5 PPG 225 SKS								

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 Services Company**

Cementing Company

Signature

P.O. Box 1135

Address

Eldorado

City,

Texas

State,

76936

Zip Code

(325) 853-2553

Tel.: Area Code Number

8/22/13

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

SR. Reg. Specialist

Title

Annette Raines

Signature

333 W. Sheridan Ave.

Address

OKC

City,

OK

State,

73102

Zip Code

405-228-8217

Tel.: Area Code Number

11/16/14

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.

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. #95124

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CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date						10/2/13	10/2/13
13. • Drilled Hole Size						12 1/4"	12 1/4"
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)						9 5/8"	9 5/8"
15. Top of liner (ft.)							
16. Setting depth (ft.)						4426'	7,188'
17. Number of centralizers used						0	0
18. Hrs. Waiting on cement before drill-out						8+	8+
1 <sup>st</sup> Slurry	19. API cement used: No. of sacks ▶					1445	1145
	Class ▶					"C"	"C"
	Additives ▶					#22	#22
2 <sup>nd</sup> Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
3 <sup>rd</sup> Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1 <sup>st</sup>	20. Slurry pumped: Volume (cu. ft.) ▶					2327	1583
	Height (ft.) ▶					7430	5054
2 <sup>nd</sup>	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3 <sup>rd</sup>	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶					2327	1583
	Height (ft.) ▶					7430	5054
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?						NO	NO
22. Remark: 1 <sup>st</sup> Stg Slurry: C 40/60 POZ+4%MPA5+.5%BA10A+.5%SMS+.7%R3+.125ppsCELLO+5%SALT(BWOW)+.01%STATIC FREE 2 <sup>nd</sup> Stg Slurry: C 40/60 POZ+.25%FL52+1%SMS+.5%R3+3ppsKOLSEAL+2%SALT(BWOW)+.01%STATIC FREE							

TR. #95124

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

**Robert J Carles, Service Supervisor**

Name and title of cementer's representative

**Baker Hughes**

Cementing Company

Signature

P.O. Box 1135

Eldorado

Texas

76936

(325) 853-2553

10/2/2013

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.

Annette Raines

Typed or printed name of operator's representative

Sr. Reg. Specialist

Title

Annette Raines

Signature

333 W. Sheridan Ave.

City,

State,

Zip Code

405-328-8217

Tel.: Area Code

Number

11/6/14

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.
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- B. Where to file. The appropriate Commission District Office for the county in which the well is located.
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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.



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. # 95124

1. Operator's Name (As shown on Form P-5, Organization Report) <b>DEVON ENERGY PRODUCTION Co.</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>42-383-38405</b>	7. Drilling Permit No. <b>767393</b>	
8. Lease Name <b>UNIVERSITY 10</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>17844</b>	11. Well No. <b>#3606HR</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				10/16/13			
13. • Drilled Hole Size				8 3/4"			
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				5 1/2"			
15. Top of liner (ft.)							
16. Setting depth (ft.)				16,376'			
17. Number of centralizers used				0			
18. Hrs. Waiting on cement before drill-out				8 +			
1 <sup>st</sup> Slurry	19. API cement used: No. of sacks ▶			520			
	Class ▶			"H"			
	Additives ▶			#22			
2 <sup>nd</sup> Slurry	No. of sacks ▶			2125			
	Class ▶			"H"			
	Additives ▶			#22			
3 <sup>rd</sup> Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1 <sup>st</sup>	20. Slurry pumped: Volume (cu. ft.) ▶			1051			
	Height (ft.) ▶			4160			
2 <sup>nd</sup>	Volume (cu. ft.) ▶			2724			
	Height (ft.) ▶			10784			
3 <sup>rd</sup>	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			3775			
	Height (ft.) ▶			14944			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?				NO			
Remarks: 1ST SLURRY H 65/35POZ + 6%GEL + 3%SALT(BWOW) + .05% R-21 + .125PPS CELLOFLAKE + 3 PPS KOLSEAL + .4%FL-52 +.01% STATIC FREE 2 <sup>ND</sup> SLURRY H 50/50 POZ + 5%SALT(BWOW) + .1%R3 + .3%CD-32 + .5% FL25 + .5% FL52 + .6% SMS + .01% STATIC FREE							

TR. #95124

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								

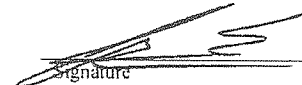
CEMENTER'S CERTIFICATE: I declare under penalties in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this Certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my Supervision, and that the 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.

JASON EVANS, Service Supervisor

Name and title of cementer's representative

Baker Hughes Incorporated

Cementing Company



PO BOX 1135

Address ELDORADO TEXAS 76936  
City, State, Zip Code

(325) 853-2553  
Tel: Area Code Number

10/16/2013  
Date: mo. day yr.

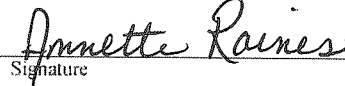
OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form Are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

Sr. Reg. Specialist

Title



Signature

333 W. Sheridan Ave.

Address OKC OK 73102  
City, State, Zip Code

405-228-8217  
Tel: Area Code Number

11/16/14  
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.

# Devon Energy Production Co., L.P.

333 W. Sheridan Ave.  
Oklahoma City, OK 73102-8260

## P-15 Additional Acreage Assignment to the University 10 #3606HR

Lin (Wolfcamp) Field

SWR 86 Additional Acreage Assignment For Fields with a Density Rule of 40 Acres or Less	
Horizontal Drainhole Displacement, ft	Additional Acreage Allowed, acres
100 to 585	20
586 to 1,170	40
1,171 to 1,755	60
1,756 to 2,340	80
2,341 to 2,925	100
2,926 to 3,510	120
3,511 to 4,096	140
4,097 to 4,682	160
4,683 to 5,268	180
5,269 to 5,854	200
5,855 to 6,440	220
6,441 to 7,026	240
7,027 to 7,612	260
7,613 to 8,198	280
8,199 to 8,784	300
etc. - 585 ft increments	etc. - 20 acre increments

### ACREAGE ASSIGNED TO WELL:

Acres Per Unit (Special Rules)	40.00
Tolerance Acres	
LENGTH OF HORIZONTAL DRAINHOLE	7385'
Additional Acreage Allowed: (SWR 86)	280.00

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<b>TOTAL NUMBER OF ACRES:</b>	<b>320.00</b>
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Devon Energy Production Co., L.P.  
333 W. Sheridan Ave.  
Oklahoma City, OK 73102-8260

**P-15 Attachment**  
*to the*  
**University 10**  
**Lin (Wolfcamp) Field**  
**A 7910.297 Acre Lease in Reagan County**

<u>Well Number</u>	<u>RRC ID #</u>	<u>Number of Assigned Acres</u>	
2801HR	17844	180.00	
2802H	17844	300.00	
3603H	17844	40.00	WRO
3605H	17844	280.00	
3601H	17844	40.00	WRO
2807H	17844	40.00	WRO
3606HR	17844	280.00	NEW
3602H	17844	40.00	WRO
3604H	17844	280.00	

Prepared By:



Annette Raines  
Regulatory Affairs  
333 W. Sheridan Ave.  
Oklahoma City, OK 73102-8260  
[annette.raines@devon.com](mailto:annette.raines@devon.com)  
(405) 228-8217

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date December 20, 2012

GAU File No.: SC- 11216

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

API Number 38338155

Attention: ANNETTE RAINES

RRC Lease No. 000000

SC\_216378\_38338155\_000000\_11216.pdf

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

--Measured--

900 ft FEL

600 ft FNL

MRL:SECTION

Digital Map Location:

X-coord/Long 101.55446

Y-coord/Lat 31.22767

Datum 83 Zone

P-5# 216378

County REAGAN

Lease & Well No. UNIVERSITY 10 #3605H&PAD

Purpose ND

Location SUR-UL,BLK-10,SEC-36,--[TD=8300],[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 800 feet must be protected.


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

University 10 #3606HR

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, [gaau@rrc.state.tx.us](mailto:gaau@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: 2012.12.20 11:21:01 -06'00'

Jack M. Oswalt, P.G.

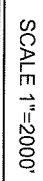
Geologist, Groundwater Advisory Unit  
Oil & Gas Division

GEOLOGIST SEAL



The seal appearing on this document was authorized by Jack M. Oswalt on 12/20/2012  
Note: Alteration of this electronic document will invalidate the digital signature.

Trina Cooper



Total Depth: 8135' (Elev. 2750)

600 FNL & 820 FEL from the University Lands Survey.

Penetration Point:

581 FNL & 402 FEL from the University Lands Survey.

First Perturbation:

5313 FSL & 5035 FWL from Lease.

**Last Perforation:** \_\_\_\_\_

2502 FSL & 475 FEL from the Uni

162 F-NL & 4804 F-WL from Lease.

Bottom Hole Location:

2556 F-SL & 475 FEL from the University Lands Survey.

108 FNL & 4804 FWL from Lease.

6H\_DIMS\_C

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----- 6_WELLPATH_C
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6-bhl-C\*

6-1p-C

6-1b-C

○

○

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o-p-p-c

6-sh

5-bh1

5-wellpath

4-bh1

4-shl

4-wellpath

3-bh1 

3-wellpath

2-bhl ✱

2-shl

## 2-wellpath

1-bh1 ✱

1-shl

1-wellpath

\_\_\_\_\_ surveyline:

## ■ ■ ■ lease line

— surveyline:

[illegible]

# Reagan County, Texas

**7906.26 Acres in Lease  
Section 36, Block 10**

**Field: Lin Wolfcamp**  
**Reagan County, Texas**

333 W Sheridan - Oklahoma City 73102

DATE: 02-21-2014  
by TC