

# RAILROAD COMMISSION OF TEXAS

Tracking No.: 79333

Status: Submitted

Oil and Gas Division

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

API No. **42- 383-37801**

7. RRC District No.  
**7C**

8. RRC Lease No.

## 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 49</b>		9. Well No. <b>0903H</b>	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <b>ENDURING RESOURCES, LLC</b>		RRC Operator No. <b>252014</b>		10. County of well site <b>REAGAN</b>	
4. ADDRESS <b>511 16TH STREET SUITE 700 DENVER, CO 80202-4248</b>				11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain In remarks) <input checked="" type="checkbox"/>	
5. If Operator has changed within last 60 days, name former operator					
6a. Location (Section, Block, and Survey) <b>9 , 49 , UL</b>		6b. Distance and direction to nearest town in this county. <b>6.02 MILES SOUTHEAST OF 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-O Gas-G
<b>N/A</b>					Well #
13. Type of electric or other log run <b>None</b>				14. Completion or recompletion date <b>06/19/2013</b>	

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

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump)			18. Choke size
19. Production during Test Period	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio <b>0</b>	Flowing Tubing Pressure <b>PSI</b>
20. Calculated 24-Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity-API-60°	Casing Pressure <b>PSI</b>
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)			23. Injection Gas-Oil Ratio
REMARKS: N/A					

**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.

	<b>WELL TESTERS CERTIFICATION</b> 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 _____	

	<b>OPERATOR'S CERTIFICATION</b> 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%;"> <b>ENDURING RESOURCES, LLC</b>            Type or printed name of operator's representative  <b>(303) 350-5114</b>            Telephone: Area Code      Number      Month      Day      Year         </div> <div style="width: 45%;"> <b>Regulatory Specialist</b>            Title of Person  <b>Alvin Arlian</b>            Signature         </div> </div>	

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
24. Type of Completion										25. Permit to Drill, Plug Back or Deepen									
New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>										DATE 06/01/2012 PERMIT NO. 739327									
26. Notice of Intention to Drill this well was filed in Name of										Rule 37 Exception									
ENDURING RESOURCES, LLC										PERMIT NO.									
27. Number of producing wells on this lease in this field (reservoir) including this well										Water Injection Permit									
11										PERMIT NO.									
28. Total number of acres in this lease										Salt Water Disposal Permit									
2779.956										PERMIT NO.									
29. Date Plug Back, Deepening, Workover or Drilling Operations:										Other									
Commenced 02/12/2013 Completed 05/01/2013										PERMIT NO.									
30. Distance to nearest well, Same Lease & Reservoir										PERMIT NO.									
539.8																			
31. Location of well, relative to nearest lease boundaries										Feet From West									
2914.2										Line and 7988.0									
North										Feet from Lease									
32. Elevation (DF, RKB, RT, GR ETC.)										33. Was directional survey made other than inclination (Form W-12)?									
2714 GR										<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
34. Top of Pay										35. Total Depth									
6652 MD:6785										7193 MD:14875									
36. P. B. Depth										37. Surface Casing Determined by									
7193 MD:14875										Field Rules <input type="checkbox"/>									
38. Is well multiple completion?										Recommendation of T.D.W.R. <input checked="" type="checkbox"/>									
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										Dt. of Letter 05/10/2013									
39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.										Dt. of Letter									
FIELD & RESERVOIR										GAS ID or OIL LEASE #									
N/A										Oil-0 Gas-G									
40. Intervals Drilled by:										Well #									
Rotary Tools <input checked="" type="checkbox"/> Cable Tools										N/A									
41. Name of Drilling Contractor										42. Is Cementing Affidavit Attached?									
ENSIGN										<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.					
13 3/8		54.5		918				CLASS C 725		17 1/2		0		1189.0					
9 5/8		40.0		4850				TXI 1134		12 1/4		150		2193.0					
5 1/2		17.0		17875				50/50 POZ 3875		8 7/8		1150		5759.0					
44. LINER RECORD																			
Size		Top		Bottom		Sacks Cement		Screen											
N/A																			
45. TUBING RECORD																			
Size		Depth Set		Packer Set		From L1 7445		To 17939											
N/A						From		To											
						From		To											
						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									
7445.0										17939.0									
										11,823,252 LBS 100 MESH OTTAWA SAND, 13,336,600 GALS FLUID									
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations					Depth					Formations					Depth				
SPRABERRY					5222.0 MD: 5222.0														
DEAN					6552.0 MD: 6574.0														
WOLFCAMP					6652.0 MD: 6785.0														
REMARKS: TURING HAS NOT BEEN SET YET ON THIS WELL.																			

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

Form W-15  
Cementing Report

# RAILROAD COMMISSION OF TEXAS

## Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
Enduring Resources	252014	7C	Reagan
5. Field Name (Wildcat or Exactly as Shown on RRC Records)	6. API No.	7. Drilling Permit No.	
LIN (WOLFCAMP)	42-383-37801	739327	
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
University 49			093H

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date		2/3/2013					
13. *Drilled Hole Size		17-1/2					
*Ext. % Wash or Hole Enlargement		50					
14. Size of Casing (in. O.D.)		13.375					
15. Top of Liner (ft)							
16. Setting Depth (ft)		918					
17. Number of Centralizers Used		6					
18. Hrs. Waiting on Cement Before Drill-Out		48+					
1st slurry	19. API Cement Used; No. of Sacks >	400					
	Class >	premium plus					
	Additives >	see below					
2nd slurry	No. of Sacks >	325					
	Class >	premium plus					
	Additives >	see below					
3rd slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped; Volume (cu.ft.) >	760					
	Height (ft) >	1094					
2nd	Volume (cu.ft.) >	429					
	Height (ft) >	565					
3rd	Volume (cu.ft.) >						
	Height (ft) >						
Total	Volume (cu.ft.) >	1189					
	Height (ft) >	1659					
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?		yes					
22. Remarks							
35%poz, 6%gel, 5%salt, 1/4#celloflake, 2#gilsonite							
2% calcium chloride							

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								

CEMENTERS 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.

Harley Fenton Service Supervisor  
Name and Title of Cementer's Representative

Universal Pressure Pumping, Inc.  
Cementing Company

Signature

4124 Dan Hanks Ln. San Angelo TX 76904  
Address City State Zip Code

(432) 570 - 4899  
Tel: Area Code Number

February 3, 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.

Alvin R. (Al) Arlian

Regulatory Specialist

Typed or Printed Name of Operators Representative

Title

Signature

511-16th Street, Suite 700, Denver, Colorado 80202 303-350-5114  
Address City State Zip Code Tel: Area Code Number

6-26-2013  
Date: Mo. Day Yr.

#### Instruction to Form W-15, Cementing Report

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

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

- \* An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- \* Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- \* Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete 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 applications, 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 12 (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 1000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

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

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

RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division

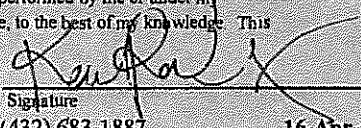
1. Operator's Name (As shown on Form P-5, Organization Report) <b>Enduring Resources</b>	2. RRC Operator No. <b>252014</b>	3. RRC District No. <b>7C</b>	4. County of Well Site <b>Reagan</b>
5. Field Name (Wildcat or exactly as shown on RRC records) <b>LIN (WOLFCAMP)</b>	6. API No. <b>42-383-37801</b>	7. Drilling Permit No. <b>739327</b>	
8. Lease Name <b>University 49</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <b>0903H</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>4/16/2013</b>				
13. ●Drilling hole size			<b>12-1/2</b>				
●Est. % wash or hole enlargement			<b>20</b>				
14. Size of casing (in. O.D.)			<b>9-5/8</b>				
15. Top of liner (ft.)							
16. Setting depth (ft.)			<b>4850</b>				
17. Number of centralizers used			<b>28</b>				
18. Hrs. waiting on cement before drill-out			<b>24+</b>				
1st Slurry	19. API cement used: No. of sacks ▶		<b>480</b>				
	Class ▶		<b>TXI</b>				
	Additives ▶		<b>Remarks</b>				
2nd Slurry	No. of sacks ▶		<b>654</b>				
	Class ▶		<b>TXI</b>				
	Additives ▶		<b>Remarks</b>				
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped Volume (cu. ft.) ▶		<b>1310</b>				
	Height (ft.) ▶		<b>4184</b>				
2nd	Volume (cu. ft.) ▶		<b>883</b>				
	Height (ft.) ▶		<b>2819</b>				
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶		<b>2193</b>				
	Height (ft.) ▶		<b>7003</b>				
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			<b>NO</b>				
1st 75ppsD049+8%D020+3%D154+.2%D065+.2%D046+5ppsD042+0.4%D167							
2nd 75ppsD049+1%D020+0.2%D201+.2%D046+.2%D065							

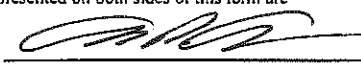
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CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (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 CERTIFICATION** 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.

<b>Karlene Rodriguez, FE</b>	<b>Dowell Schlumberger</b>	
Name and title of cementer's representative	Cementing Company	Signature
32 E. Industrial Loop	Midland, Texas 79701	(432) 683-1887
Address	City, State, Zip Code	Tel. Area Code Number
		Date: 16-Apr-13
		mo. day yr.

**OPERATOR'S CERTIFICATION** I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have 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.

<b>Alvin R. (Al) Arlian</b>	<b>Regulatory Specialist</b>	
Typed or printed name of operator's representative	Title	Signature
511-16th Street, Suite 700, Denver, Colorado 80202	303-350-5114	6-26-2013
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 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) <b>Enduring Resources</b>		2. RRC Operator No. <b>252014</b>	3. RRC District No. <b>07C</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>41-383-37801</b>	7. Drilling Permit No. <b>739327</b>
8. Lease Name <b>University 49</b>		9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <b>0903-H</b>

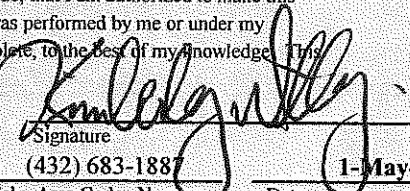
CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				<b>5/1/2013</b>			
13. ●Drilling hole size				<b>8-7/8</b>			
●Est. % wash or hole enlargement				<b>10</b>			
14. Size of casing (in. O.D.)				<b>5-1/2</b>			
15. Top of liner (ft.)							
16. Setting depth (ft.)				<b>14,875</b>			
17. Number of centralizers used				<b>53</b>			
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ▶			<b>635</b>			
	Class ▶			<b>TXI</b>			
	Additives ▶			<b>Remarks</b>			
2nd Slurry	No. of sacks ▶			<b>3241</b>			
	Class ▶			<b>50/50 POZ/H</b>			
	Additives ▶			<b>Remarks</b>			
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶			<b>1740</b>			
	Height (ft.) ▶			<b>6888</b>			
2nd	Volume (cu. ft.) ▶			<b>4019</b>			
	Height (ft.) ▶			<b>15910</b>			
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			<b>5759</b>			
	Height (ft.) ▶			<b>22798</b>			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				<b>No</b>			
1st <b>3%D154+8%D20+.7%D13+.4%D207+.4%D65+.2%D46+5PPSD42+.125PPSD130+.2%D208</b>							
2nd <b>.2%D46+.1%D208+.25%D65+.25%D207</b>							

OVER ➡

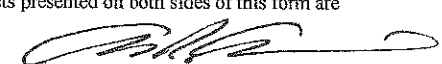


CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. 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.

<b>Kimberly Milling, FE</b>	<b>Dowell Schlumberger</b>	
Name and title of cementer's representative	Cementing Company	Signature
32 E. Industrial Loop	Midland, Texas 79701	(432) 683-1887
Address	City, State, Zip Code	Tel.: Area Code Number
		Date: <b>1-May-13</b> 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.

<b>Alvin R. (Al) Arlian</b>	<b>Regulatory Specialist</b>	
Typed or printed name of operator's representative	Title	Signature
511-16th Street, Suite 700, Denver, Colorado 80202		303-350-5114
Address	City, State, Zip Code	Tel.: Area Code Number
		Date: <b>6-26-2013</b> mo. day yr.

### Instructions 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

Please Read Instructions**ELECTRIC LOG  
STATUS REPORT****FORM L-1**

Rev. 01/02

## INSTRUCTIONS

When to file the 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 of confidentiality has not yet expired

When the L-1 is 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, and geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to file the L-1

- with the appropriate Commission district office

Filling out the 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 a log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SEE REVERSE SIDE

## SECTION I. IDENTIFICATION

Operator Name <b>ENDURING RESOURCES, LLC</b>	District No. <b>7C</b>	Completion Date <b>06/19/2013</b>
Field Name <b>LIN (WOLFCAMP)</b>	Drilling Permit No. <b>739327</b>	
Lease Name <b>UNIVERSITY 49</b>	Lease/ID No.	Well No. <b>0903H</b>
County <b>REAGAN</b>	API No. <b>42- 383-37801</b>	

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



signature

ALVIN R. (AL) ARLIAN

name (print)

REGULATORY SPECIALIST

title

303 350-5114

phone

7/10/2013

date

For Railroad Commission use only

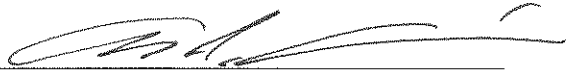
STATEMENT OF PRODUCTIVITY OF ACREAGE  
ASSIGNED TO PRORATION UNITS

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 Enduring Resources, LLC,  
OPERATOR  
University 49, No. 0903H; that such well is  
LEASE 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 \_\_\_\_\_  
400.00 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 7-10-2013 Signature 

Telephone (303) 350-5114 Title Regulatory Specialist  
AREA CODE

# CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

**P-4**

5/02—WWW-1

READ INSTRUCTIONS ON BACK

1. Field name exactly as shown on proration schedule <b>Lin (Wolfcamp)</b>		2. Lease name as shown on proration schedule <b>University 49</b>			
3. Current operator name exactly as shown on P-5 Organization Report <b>Enduring Resources, LLC</b>		4. Operator P-5 no. <b>252014</b>	5. Oil Lse/Gas ID no. 	6. County <b>Reagan</b>	7. RRC district <b>7C</b>
8. Operator address including city, state, and zip code  <b>511 - 16th Street, Suite 700 Denver, Colorado 80202</b>		9. Well no(s) (see instruction E)  <b>0903H</b>			
10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)		11. Effective Date <b>06/19/13</b>			
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) <b>a. Change of:</b> <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from: _____ <input type="checkbox"/> lease name from: _____ <b>OR</b> <b>b. New RRC Number for:</b> <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <b>Due to:</b> <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)					
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).					
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <i>(Attach an additional sheet in same format if more space is needed)</i>		Purchaser's RRC Assigned System Code	Percent of Take Full-well stream
x	x	West Texas Gas, Inc.			100
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).					
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First <i>(Attach an additional sheet in same format if more space is needed)</i>				Percent of Take	<b>RRC USE ONLY</b> Reviewer's initials: _____ Approval date: _____
Enterprise Crude Oil, LLC				100	
15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.					
Name of Previous Operator  Name (print)  Title				Signature  <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator (see instruction G)  Date  Phone with area code	
16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.					
Alvin R. (Al) Arlian Name (print) Regulatory Specialist Title aarlian@enduringresources.com E-mail Address (optional)				Signature  <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G) 07/10/13 Date (303) 350-5114 Phone with area code	

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date **May 10, 2012**

GAU File No.: SC- **10867**

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

API Number **38337801**

Attention: **AL ARLIAN**

RRC Lease No. **739327**

**SC\_252014\_38337801\_739327\_10867.pdf**

ENDURING RESOURCES LLC  
511 16TH ST  
STE 700  
DENVER CO 80202

P-5# 252014

--Measured--

2256 ft FWL

2490 ft FNL

MRL: SURVEY

Digital Map Location:

X-coord/Long **1657308**

Y-coord/Lat **526250**

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

County **REAGAN**

Lease & Well No. **UNIVERSITY 49 #0903H**

Purpose **ND**

Location **SUR-UL, BLK-49, SEC-9, -- [TD=7582] , [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 the base of the SANTA ROSA ,  
which is estimated to occur at a depth of 850 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).

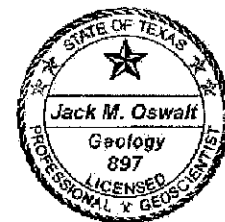
If you have any questions, please contact us at 512-463-2741, [gau@rrc.state.tx.us](mailto:gau@rrc.state.tx.us), or by mail.

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: 2012.05.10 08:27:50 -0500

**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 5/10/2012  
Note: Alteration of this electronic document will invalidate the digital signature.

TRACT	LEASE #	CALLED ACREAGE	MEASURED ACREAGE	MEASURED PCT.	PRORATION MEASURED ACREAGE	PRORATION MEASURED PCT.
1	UNIVERSITY LANDS 76759	330.6 ACRES	330.772 ACRES	11.898		
2	UNIVERSITY LANDS 76758	330.6 ACRES	330.901 ACRES	11.903		
3	UNIVERSITY LANDS 78471	325.95 ACRES	326.114 ACRES	11.731		
4	UNIVERSITY LANDS 78470	325.95 ACRES	326.315 ACRES	11.738	96.121 ACRES	24.030
5	UNIVERSITY LANDS 76761	333.10 ACRES	332.823 ACRES	11.972		
6	UNIVERSITY LANDS 75474	333.10 ACRES	332.857 ACRES	11.973		
7	UNIVERSITY LANDS 76762	321.15 ACRES	321.360 ACRES	11.560		
8	UNIVERSITY LANDS 75475	321.15 ACRES	321.408 ACRES	11.562	204.335 ACRES	51.084
9	UNIVERSITY LANDS 75476	157.275 ACRES	157.406 ACRES	5.662	99.544 ACRES	24.886
TOTAL			2779.956 ACRES	100.000	400.000 ACRES	100.000

S 18°32'00" E 6.02 MILES  
FROM BIG LAKE, TEXAS

THIS MAP WAS PREPARED FROM AN ACTUAL ON THE GROUND SURVEY PERFORMED UNDER MY SUPERVISION ON JANUARY 24, 2013.

HEATHER L. SIDES  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF TEXAS NO. 5997

BEARINGS AND COORDINATES SHOWN ON THIS MAP ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27.

LATITUDES AND LONGITUDES SHOWN ON THIS MAP ARE BASED ON WGS 84.

THIS MAP WAS PREPARED FOR AREA COMPUTATIONS OF MINERAL OWNERSHIP AND DOES NOT REPRESENT A CURRENT OWNERSHIP BOUNDARY SURVEY.

RECORDS RESEARCH WAS PROVIDED BY THE CLIENT OR CLIENT'S REPRESENTATIVES. CLIENTS REPRESENTATIVE DIRECT THE SURVEYOR TO EXTEND THE MINERAL DEEDS TO THE CENTERLINE OF THE RIGHT-OF-WAY WHEN MINERAL DEEDS ARE NOT PROVIDED. THE SURVEYOR PERFORMED NO ADDITIONAL RESEARCH.

LESSOR NAMES ARE PROVIDED BY THE CLIENTS REPRESENTATIVE AND NOT BY THE SURVEYOR.

UNDERGROUND LOCATIONS OF DRILL WERE MEASURED FROM THE DRILLER'S "WELL PROFILE DATA" REPORT PROVIDED BY THE CLIENT.

§ = APPROXIMATE SURVEY ABSTRACT LINE



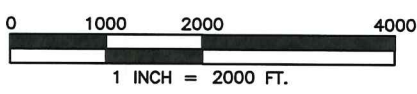
ENDURING RESOURCES, L.L.C.  
UNIVERSITY 49,  
#0903H WELL  
PENETRATION  
POINT LOCATION

ENDURING RESOURCES, L.L.C.  
UNIVERSITY 49,  
#0903H WELL  
SURFACE HOLE LOCATION  
X=1,657,308.25  
Y=526,250.45  
LAT= 31°06'33.06"  
LON= 101°25'43.66"  
SURFACE ELEVATION=2,714.51'

LINE	BEARING	DISTANCE
L1	S 89°15'47" E	1655.63'
L2	S 01°08'25" W	10766.28'
L3	N 88°52'57" W	1591.48'
L4	N 00°58'54" E	2718.18'
L5	N 00°44'13" E	8037.29'



ENDURING RESOURCES, L.L.C.  
UNIVERSITY 49,  
#0903H WELL  
BOTTOM HOLE LOCATION  
X=1,657,139.25  
Y=515,136.48  
LAT= 31°04'43.05"  
LON=101°25'44.34"



**FINAL**

**ENDURING RESOURCES, L.L.C.**  
**UNIVERSITY 49,**  
**#0903H WELL**  
**PRORATION UNIT**  
**400.000 ACRES**  
**REAGAN COUNTY, TEXAS**  
**PERCHERON**  
**SURVEYING, LLC**  
15411 Vantage Pkwy West  
Suite 205  
Houston, Texas 77032  
(281) 447-6230  
JULY 2, 2013  
JOB NO. 140.0004.0005