



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 01/16/2014 PERMIT NO. 776519 Rule 37 Exception CASE NO.		Water Injection Permit PERMIT NO.	
26. Notice of Intention to Drill this well was filed in Name of <b>ENDURING RESOURCES, LLC</b>				Salt Water Disposal Permit PERMIT NO.		Other PERMIT NO.	
27. Number of producing wells on this lease in this field (reservoir) including this well <b>1</b>		28. Total number of acres in this lease <b>334.744</b>		29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced <b>01/18/2014</b> Completed <b>02/18/2014</b>		30. Distance to nearest well, Same Lease & Reservoir <b>0.0</b>	
31. Location of well, relative to nearest lease boundaries <b>330.4</b> Feet From <b>West</b> Line and <b>225.2</b> Feet from <b>North</b> Line of the <b>UNIVERSITY 48</b> Lease				32. Elevation (DF, RKB, RT, GR ETC.) <b>2756</b> <b>GR</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	35. Total Depth <b>7058 MD:12009</b>	36. P. B. Depth <b>7058 MD:12009</b>	37. Surface Casing Determined by Field Rules <input type="checkbox"/>	Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/>	<input checked="" type="checkbox"/>	Dt. of Letter <b>01/14/2014</b>	
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>				GAS ID or OIL LEASE #	Oil-0 Gas-G	Well #	
<b>N/A</b>							
40. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>	41. Name of Drilling Contractor				42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
43. CASING RECORD (Report All Strings Set in Well)							
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
13 3/8		986		PREMIUM PLUS 835	17 1/2	0	907.0
9 5/8		5295		MIDCON LITE 835	12 1/4	0	2001.0
5 1/2		12009		MIDCON LITE 1935	8 7/8	0	1781.0
44. LINER RECORD							
Size	Top	Bottom	Sacks Cement	Screen			
<b>N/A</b>							
45. TUBING RECORD				46. Producing Interval (this completion) Indicate depth of perforation or open hole			
Size	Depth Set	Packer Set	From	To			
<b>N/A</b>			From <b>L1 7250</b>	To <b>11961</b>			
			From	To			
			From	To			
			From	To			
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
Depth Interval		Amount and Kind of Material Used					
<b>7250.0</b> - <b>11961.0</b>		<b>8,819,304 LBS. 100 MESH AND 40/70 SAND; AND 8,616,846 GALS. FLUID</b>					
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)							
Formations	Depth	Formations	Depth				
<b>STRAWN</b>	<b>null</b>	<b>QUEEN</b>	<b>2251.0 MD: 2251.0</b>				
<b>FUSSELMAN</b>	<b>null</b>	<b>SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY</b>	<b>2516.0 MD: 2516.0</b>				
<b>ELLENBURGER</b>	<b>null</b>	<b>CLEARFORK</b>	<b>4611.0 MD: 4611.0</b>				
<b>GRAYBURG</b>	<b>2051.0 MD: 2051.0</b>	<b>SPRABERRY</b>	<b>5156.0 MD: 5156.0</b>				
<b>REMARKS: N/A</b>							

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date **January 14, 2014**

GAU File No.: SC- **11675**

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

API Number **38300000**

Attention **AL ANLIEM**

RRC Lease No. **776519**

**SC\_252014\_38300000\_776519\_11675.pdf**

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

--Measured--

**330 ft BWL**

**225 ft BWL**

**MRL: SECTION**

Digital Map Location:

X-coordinate **1670500**

Y-coordinate **528253**

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

**P-5# 252014**

County **HARRIS**

Lease & Well No. **UNIVERSITY 48 #1501H**

Purpose **WD**

Location **SUR-UL, BLK-48, SEC-15, -- [TD=6895], [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 875 feet, must be protected.**

Note: Recommendations are made on the basis of information furnished and are 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-11).

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

Sincerely,

  
Digitally signed by Jack Oswalt  
DN: c=US, o=TEXAS, E=Austin,  
o=Railroad Commission of Texas,  
ou=Groundwater Advisory Unit, cn=Jack  
Oswalt, email=jack.oswalt@rc.state.tx.us  
Date: 2014.01.14 11:25:46 -0600

**Jack M. Oswalt, P.G.**

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit  
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on **1/14/2014**.  
Reproduction of this electronic document will invalidate the digital signature.

Tracking No.: 101620

*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: ENDURING RESOURCES, LLC	District No. 7C	Completion Date: 04/02/2014
Field Name LIN (WOLFCAMP)	Drilling Permit No. 776519	
Lease Name UNIVERSITY 48	Lease/ID No.	Well No. 1501H
County REAGAN	API No. 42- 383-38605	

**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). \_\_\_\_\_

<p>Alvin Arlian                  _____                  Signature                  ENDURING RESOURCES, LLC                  _____                  Name (print)</p>	<p>Regulatory Specialist                  _____                  Title                  (303) 350-5114                  _____                  Phone                  04/03/2014                  _____                  Date</p>
---	---

-FOR RAILROAD COMMISSION USE ONLY-

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) <b>Enduring Resources</b>		2. RRC Operator No. <b>7C</b>	3. RRC District No. <b>252014</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>42-383-38605</b>		7. Well Permit No. <b>776519</b>
8. Lease Name <b>University 48</b>		9. Rule 27 Case No.	10. Oil Lease/Gas ID No. <b>18110</b>	11. Well Number <b>1501H</b>

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	ISBE
12. Cementing Date		1/19/2014					
13. *Drilled Hole Size		17 1/2					
*Ext. % Wash or Hole Enlargement		20					
14. Size of Casing (in. O.D.)		13 3/8					
15. Top of Liner (ft)							
16. Setting Depth (ft)		986					
17. Number of Centralizers Used		5					
18. Hrs. Waiting on Cement Before Drill-Out		48+					
1st slurry	19. API Cement Used: No. of Sacks >	475					
	Class >	Premium plus					
	Additives >	*					
2nd slurry	No. of Sacks >	350					
	Class >	Premium plus					
	Additives >	**					
3rd slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >	907					
	Height (ft) >	1306					
2nd	Volume (cu.ft.) >	350					
	Height (ft) >	634					
3rd	Volume (cu.ft.) >						
	Height (ft) >						
Total	Volume (cu.ft.) >						
	Height (ft) >						
21. Was Cement Circulated to Ground Surface (or Bottom of Cellar) Outside Casing?		YES					

22. Remarks

\*Premium Plus 65/35/6 w/ 1% Calcium Chloride, 0.5% CFL-4, 1/4# Cellofak

\*\*Premium Plus w/ 0.5% CFL-4, 1/4# Cellofak

Circulate 120 BBL to Surface 352 Saks

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.

Donald Kennedy Service Supervisor  
Name and Title of Cementer's Representative

Universal Pressure Pumping, Inc.  
Cementing Company

*Donald W Kennedy*  
Signature

P. O. BOX 60268 San Angelo TX 76906  
Address City State Zip Code

(325) 651 - 5700  
Tel: Area Code Number

January 19, 2014  
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 Operator's Representative

Title

Signature

511 16th Street, Suite 700, Denver, Colorado 80202

303-350-5114

3-25-2014

Address

City State Zip Code

Tel: Area Code Number

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 3 (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 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 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.

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

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>42-383-38605</b>		7. Drilling Permit No. <b>776519</b>
8. Lease Name <b>University 48</b>		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>18110</b>	11. Well Number <b>1501H</b>

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date			2/10/2014				
13. *Drilled Hole Size			12.25				
*Ext. % Wash or Hole Enlargement			10				
14. Size of Casing (in. O.D.)			9 5/8				
15. Top of Liner (ft)							
16. Setting Depth (ft)			5295				
17. Number of Centralizers Used			31				
18. Hrs. Waiting on Cement Before Drill-Out			24+				
1st Slurry	19. API Cement Used: No. of Sacks >		560				
	Class >		Midcon lite				
	Additives >		*				
2nd slurry	No. of Sacks >		275				
	Class >		Midcon lite				
	Additives >		**				
3rd slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >		1618.4				
	Height (ft) >		5167.31				
2nd	Volume (cu.ft.) >		382.25				
	Height (ft) >		1220.47				
3rd	Volume (cu.ft.) >						
	Height (ft) >						
Total	Volume (cu.ft.) >		2001				
	Height (ft) >		6388				
21. Was Cement Circulated to Ground Surface (or Bottom of Celler) Outside Casing?			Yes				

22. Remarks

\*Midcon lite w/ 8% gel, 5# gilsonite, 1/4# celloflake, 5% salt, 3% cas-1, 0.5% cfl-19, 1/4# fiber

\*\* Midcon lite w/ 2% gel, 2# gilsonite, 1/4#celloflake, 3% salt, 0.4% cr-1, 0.3% cfl-2, 0.2% cfl-3, 1/4# fiber

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.

Jason Gray Service Supervisor Universal Pressure Pumping, Inc.  
 Name and Title of Cementer's Representative Cementing Company Signature

P. O. BOX 60268 San Angelo TX 76906 (325) 651 - 5700 February 10, 2014  
 Address City State Zip Code Tel: Area Code Number Date: Mo Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that 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 303-350-5114 3-25-2014  
 Address City State Zip Code Tel: Area Code Number 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.

Cementer: 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) <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>42-383-38605</b>		7. Drilling Permit No. <b>776519</b>
8. Lease Name <b>University 48</b>		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>18110</b>	11. Well Number <b>1501H</b>

CASING CEMENTING DATA:	SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date			2/18/2014			
13. *Drilled Hole Size			8 7/8			
*Ext. % Wash or Hole Enlargement			10			
14. Size of Casing (in. O.D.)			5 1/2			
15. Top of Liner (ft)						
16. Setting Depth (ft)			12009			
17. Number of Centralizers Used			41			
18. Hrs. Waiting on Cement Before Drill-Out						
1st Slurry	19. API Cement Used: No. of Sacks >		625			
	Class >		MidCon Lite			
	Additives >		see remarks			
2nd Slurry	No. of Sacks >		1310			
	Class >		50/50 POZ			
	Additives >		see remarks			
3rd Slurry	No. of Sacks >					
	Class >					
	Additives >					
1st	20. Slurry Pumped: Volume (cu.ft.) >		1781			
	Height (ft) >		7051			
2nd	Volume (cu.ft.) >		1598			
	Height (ft) >		6326			
3rd	Volume (cu.ft.) >					
	Height (ft) >					
Total	Volume (cu.ft.) >		3379			
	Height (ft) >		13377			
21. Was Cement Circulated to Ground Surface (or Bottom of Cella) Outside Casing?			yes			

22. Remarks

Lead Cement: 625 sks MidCon Lite w/ 10% Gel, 5% Salt, 0.7% CFL-19, 1.5% CR-1, 5 lbs Gilsonite, 1/4 lbs Cellofoake

Tail Cement: Premium 50/50 POZ w/ 2% Gel, 3% Salt, 0.4% CFL-2, 0.4% CR-1, 0.15% CD-1, 0.1% CAS-1

circulated 50 bbls to surface(111sxs)



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 WL (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.

Ben Parsons                      Service Supervisor                      Universal Pressure Pumping, Inc.                      *Ben Parsons*  
Name and Title of Cementer's Representative                      Cementing Company                      Signature

P. O. BOX 3120                      MIDLAND                      TX                      79702                      (432) 570 - 4899                      February 18, 2014  
Address                      City                      State                      Zip Code                      Tel: Area Code                      Number                      Date: Mo.                      Day                      Yr.

**OPERATOR'S CERTIFICATE:** I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that 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                      Regulaotry Specialist                      *Alvin R. Arlian*  
Typed or Printed Name of Operators Representative                      Title                      Signature

511-16th Street, Suite 700, Denver, Colorado 80202                      303-350-5114                      3-25-2014  
Address                      City                      State                      Zip Code                      Tel: Area Code                      Number                      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.

STATEMENT OF PRODUCTIVITY OF ACREAGE  
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 101620

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 ENDURING RESOURCES, LLC ,

UNIVERSITY 48 , No. 1501H ; 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 \_\_\_\_\_

220.0 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 04/03/2014 Signature Alvin Arlian

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

**CERTIFICATE OF COMPLIANCE  
 AND TRANSPORTATION AUTHORITY**

This facsimile P-4 was generated electronically from data submitted to the RRC.  
 A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 101620

1. Field name exactly as shown on proration schedule <b>LIN (WOLFCAMP)</b>		2. Lease name as shown on proration schedule <b>UNIVERSITY 48</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, CO 80202-4248</b>		9. Well no(s) (see instruction E) <b>1501H</b>			11. Effective Date <b>04/02/2014</b>		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G)							
a. Change of: <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 _____							
----- OR -----							
b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <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 (Attach an additional sheet in same format if more space is needed)			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	LUCID ENERGY WESTEX, LLC(511943)			0001	100.0	
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (Attach an additional sheet in same format if more space is needed)						Percent of Take	
PLAINS MARKETING, L.P.(667883)						100.0	
<b>RRC USE ONLY:</b> Reviewer's initials: _____ Approval date: _____							
<b>15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING.</b> 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 _____				Signature _____			
Name (print) _____				<input type="checkbox"/> Authorized Employee of previous operator		<input type="checkbox"/> Authorized agent of previous operator (see instruction G)	
Title _____				Date _____		Phone with area code _____	
<b>16. CURRENT OPERATOR CERTIFICATION.</b> 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.							
ENDURING RESOURCES, LLC				Alvin Arlian			
Name (print) _____				Signature _____			
Regulatory Specialist				<input checked="" type="checkbox"/> Authorized Employee of current operator		<input type="checkbox"/> Authorized agent of current operator (see instruction G)	
Title _____				Date _____		Phone with area code _____	
aarlian@enduringresources.com				04/03/2014		(303) 350-5114	
E-mail Address (optional)				Date		Phone with area code	

# Submittal Confirmation to District Office

## Railroad Commission of Texas

Oil And Gas Division

Form P-8

### Request for Clearance of Storage Tanks

Prior to Potential Test

Reference No. 21006

1. Operator's Name and Address (Exactly as shown on Form P-5 Organization Report) ENDURING RESOURCES, LLC 511 16TH STREET SUITE 700  DENVER, CO 80202-4248		3. RRC District No. 7C
2. RRC Operator Number: <u>252014</u>		4. County of Well Site REAGAN
6. Field Name (Wildcat or exactly as shown on RRC records) LIN (WOLFCAMP)		7. Drilling Permit No. 776519
9. Lease Name UNIVERSITY 48		8. Rule 37 Case No.  11. Well No. 1501H
12. Drilling completed on <u>04/02/2014</u>	13. Completion report--Form W-2 or G-1--will be filed on <u>04/03/2014</u>	
14. Oil or condensate gatherer's name and address PLAINS MARKETING, L.P. P O BOX 4648 HOUSTON, TX 77210-4648  (713) 646-4502		15. Authorization to transport oil or condensate (mark one) <input checked="" type="checkbox"/> Form P-4 attached <input checked="" type="checkbox"/> Form P-4 Filed on <u>04/03/2014</u>
16. This request is for <u>20000</u> barrels of <input checked="" type="checkbox"/> crude oil OR <input type="checkbox"/> condensate		17. Amount of oil/condensate in tanks <u>630</u> barrels on <u>04/02/2014</u>
18. Storage capacity in bbls. Tank battery <u>1600</u> Test tanks <u>0</u> Total <u>1600</u>		
19. Previous request for clearance. Amount _____ barrels granted on _____		
20. Reason for current request for clearance (explain briefly) Well is flowing back and cleaning up and we only have 4 or 5 days oil storage room.		
Alvin Arlian _____ Name of operator's representative		REGULATORY SPECIALIST _____ Title of person
(303) 350-5114 _____ Telephone		04/03/2014 _____ Date
<b>RRC District Office Action</b>		
<b>Status:</b> Submitted		<b>Barrels recommended</b> _____ _____ Date

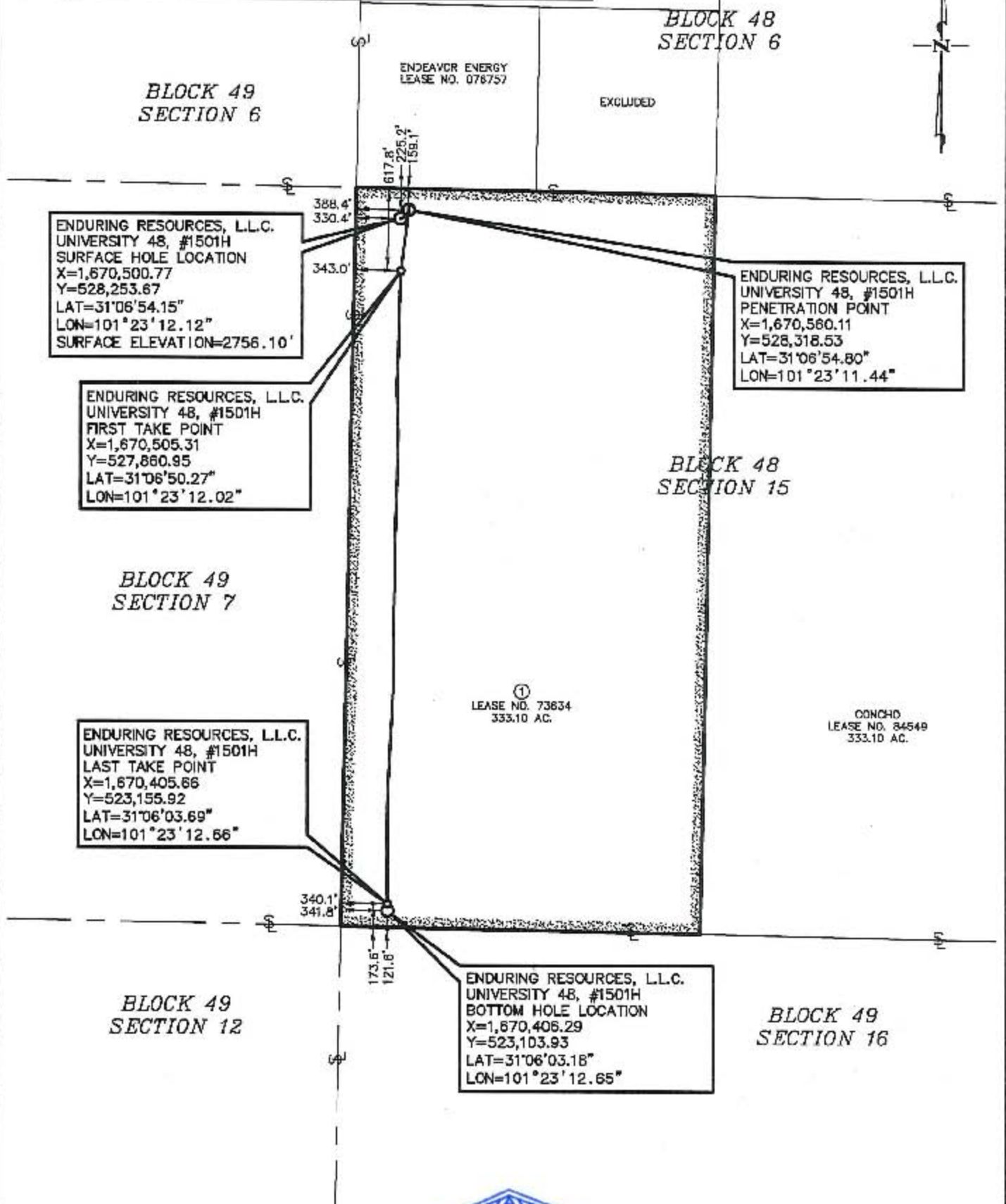
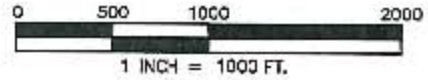


**Enduring Resouces, LLC**  
**University Block 48 Section 15: W/2**  
**RRC # pending**

**Lease Area 334.744 Acres**

<b>UNIT WELL COUNT</b>	<b>RRC #</b>	<b>WELL NAME</b>	<b>WELL NUMBER</b>	<b>ASSIGNED ACRES</b>
<b>1</b>	<b>pending</b>	<b>University 48</b>	<b>1501H</b>	<b>220.000 ACRES</b>
<b>2</b>				
<b>TOTAL ASSIGNED ACRES:</b>				<b>220.000 ACRES</b>

TRACT	LESSOR	CALLED ACREAGE	MEASURED ACREAGE	MEASURED PCT.
1	UNIVERSITY LANDS 73634	333.10	334.744	100.000
TOTAL			334.744	100.000



ENDURING RESOURCES, L.L.C.  
UNIVERSITY 48, #1501H  
SURFACE HOLE LOCATION  
X=1,670,500.77  
Y=528,253.67  
LAT=31°06'54.15"  
LON=101°23'12.12"  
SURFACE ELEVATION=2756.10'

ENDURING RESOURCES, L.L.C.  
UNIVERSITY 48, #1501H  
FIRST TAKE POINT  
X=1,670,505.31  
Y=527,860.95  
LAT=31°06'50.27"  
LON=101°23'12.02"

ENDURING RESOURCES, L.L.C.  
UNIVERSITY 48, #1501H  
PENETRATION POINT  
X=1,670,580.11  
Y=528,318.53  
LAT=31°06'54.80"  
LON=101°23'11.44"

ENDURING RESOURCES, L.L.C.  
UNIVERSITY 48, #1501H  
LAST TAKE POINT  
X=1,670,405.66  
Y=523,155.92  
LAT=31°06'03.69"  
LON=101°23'12.66"

①  
LEASE NO. 73634  
333.10 AC.

COONCHO  
LEASE NO. 84549  
333.10 AC.

ENDURING RESOURCES, L.L.C.  
UNIVERSITY 48, #1501H  
BOTTOM HOLE LOCATION  
X=1,670,405.29  
Y=523,103.93  
LAT=31°06'03.18"  
LON=101°23'12.65"

THIS MAP WAS PREPARED FROM AN ACTUAL ON THE GROUND SURVEY PERFORMED UNDER MY SUPERVISION ON DECEMBER 27, 2013.

LARRY W. SMITH  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF TEXAS NO. 4279

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 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.

UNIVERSITY 48, #1501H SURFACE HOLE LOCATION BEARS S 41°30' E 8.75 MILES FROM BIG LAKE, TX.

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

⊖= APPROXIMATE SURVEY ABSTRACT LINE

FTP = FIRST TAKE POINT



9/31/2014

**FINAL**  
**ENDURING RESOURCES, L.L.C.**  
**UNIVERSITY 48, #1501H**  
**AS-DRILLED**  
**334.744 ACRES**  
**REAGAN COUNTY, TEXAS**  
**PERCHERON**  
SURVEY, L.L.C.  
15411 Vantage Pkwy West  
Suite 205  
Houston, Texas 77032  
(281) 447-6230  
Texas Surveying Firm License  
No. 10020700  
APRIL 2, 2014  
PROJECT 140.0043.001