



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 05/02/2014
Tracking No.: 75497

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	ENDEAVOR ENERGY RESOURCES L.P.	Operator	251726
Operator	110 N MARIENFELD ST MIDLAND, TX 79701-0000		

WELL INFORMATION			
API	42-495-33445	County:	WINKLER
Well No.:	1	RRC District	08
Lease	UNIVERSITY '26-20'	Field	WOLFBONE (TREND AREA)
RRC Lease	44125	Field No.:	98359800
Location	Section: 26, Block: 20, Survey: UL, Abstract:		
Latitude	31.4150	Longitud	-103.1747
This well is 9.1 miles in a SW direction from WINK, which is the nearest town in the			

FILING INFORMATION			
Purpose of	Initial Potential		
Type of	New Well		
Well Type:	Producing	Completion or Recompletion	11/16/2012
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or Rule 37 Exception	07/02/2012	743402	
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	Date of first production after rig		11/16/2012
Date plug back, deepening, drilling operation	07/11/2012	Date plug back, deepening, recompletion, drilling operation	09/27/2012
Number of producing wells on this lease this field (reservoir) including this	1	Distance to nearest well in lease & reservoir	0.0
Total number of acres in	80.10	Elevation	2775 GL
Total depth TVD	12774	Total depth MD	
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	No	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Neutron logs		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	467.0 Feet from the	Off Lease :	No
	467.0 Feet from the	West Line and	
		North Line of the	
		UNIVERSITY '26-20' Lease.	

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
PACKET:	N/A		

W2:	N/A
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:	
GAU Groundwater Protection Determination	Depth 250.0 Date 07/02/2012
SWR 13 Exception	Depth

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of	12/24/2012	Production	Flowing
Number of hours	24	Choke	10/64
Was swab used during this	No	Oil produced prior to	856.00
PRODUCTION DURING TEST PERIOD:			
Oil	75.00	Gas	60
Gas - Oil	800	Flowing Tubing	2700.00
Water	294		
CALCULATED 24-HOUR RATE			
Oil	75.0	Gas	60
Oil Gravity - API - 60.:	39.6	Casing	0.00
Water	294		

CASING RECORD											
Ro	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size (in.)	Size	Depth	Stage Tool	Stage Shoe	Class	Amoun	Volume (cu.	Cement (ft.)	Determined By
1	Surface	13 3/4	17 1/2	377			CL C	360	479.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	5125			CL C	1444	3217.0	0	Circulated to Surface
3	Conventional Production	7	8 3/4	11845			POZ CL H	1000	1611.0	6070	Calculation

LINER RECORD									
<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
1	4 1/2		11557	12635		171			

TUBING RECORD				
<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	11252		/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L 11802	12430.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment	Yes		
Is well equipped with a downhole sleeve?	No	If yes, actuation pressure	
Production casing test pressure (PSIG) during hydraulic fracturing		Actual maximum pressure (PSIG) during fracturin	
Has the hydraulic fracturing fluid disclosure been	Yes		
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>

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) ENDEAVOR ENERGY RESOURCES LP	2. RRC Operator No. 25126	3. RRC District No. 08	4. County of Well Site Winkler
5. Field Name (Wildcat or exactly as shown on RRC records) Wolfbone (Trend Area)	6. API No. 42-495-33445	7. Drilling Permit No. 743402	
8. Lease Name University 26-20	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. NEW	11. Well No. 1

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		7/12/2012					
13. ●Drilling hole size		17 1/2					
●Est. % wash or hole enlargement							
1st Slurry Size of casing (in. O.D.)		13 3/4					
Top of liner (ft.)							
2nd Slurry Setting depth (ft.)		377					
Number of centralizers used		5					
Hrs. waiting on cement before drill-out		24					
3rd Slurry	19. API cement used: No. of sacks	360					
	Class	Class C					
	Additives	Remarks					
1st	No. of sacks						
	Class						
	Additives						
2nd	No. of sacks						
	Class						
	Additives						
3rd	No. of sacks						
	Class						
	Additives						
Total	No. of sacks						
	Class						
	Additives						
	20. Slurry pumped: Volume (cu. ft.)	479					
	Height (ft.)	689					
	Volume (cu. ft.)						
	Height (ft.)						
	Volume (cu. ft.)						
	Height (ft.)						
	Volume (cu. ft.)	479					
	Height (ft.)	689					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		Yes					
1st None							
2nd None							

BTMV-00112

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.

Dennis Ivy, FSI	Dowell Schlumberger	
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: mo. day yr. 12-Jul-12

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.

KAREN HATHCOCK	Regulatory Analyst	Karen Hathcock
Typed or printed name of operator's representative	Title	Signature
110 N. Marinerfield St. 200 Midland Tx 79701		432-687-1575
Address	City, State, Zip Code	Tel.: Area Code Number
		Date: mo. day yr. 5-31-13

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) Endeavor Energy Resources, LP		2. RRC Operator No. 251726	3. RRC District No. 08	4. County of Well Site Winkler
5. F Field Wolfbone (Trend Area)		6. API No. 42-495-33445		7. Drilling Permit No. 743402
8. Lease Name University 26-20"		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. NEW	11. Well No. 1

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date			7/21/12				
13. ●Drilling hole size			12 1/4				
●Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)			9 5/8				
15. Top of liner (ft.)							
16. Setting depth (ft.)			5125				
17. Number of centralizers used			27				
18. Hrs. waiting on cement before drill-out			24				
1st Slurry	19. API cement used: No. of sacks ▶		1044.71				
	Class ▶		C				
	Additives ▶		Remarks				
2nd Slurry	No. of sacks ▶		400.2				
	Class ▶		C				
	Additives ▶		Remarks				
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped Volume (cu. ft.) ▶		2685				
	Height (ft.) ▶		788				
2nd	Volume (cu. ft.) ▶		532				
	Height (ft.) ▶		4341				
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶		3217				
	Height (ft.) ▶		5129				
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			YES				

22. Remarks

Lead System- Class C+5%D44+10%D20+.2%D46
Tail System- Class C+.35%D201+.2%D46

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.

Hector Herrera

Schlumberger

[Signature]

Name and title of cementer's representative

Cementing Company

Signature

8321 Las Cruces Dr.

Laredo, Tx.

78045

956-724-4461

7/21/2012

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.

[Signature]

Regulatory Analyst

[Signature]

Typed or printed name of operator's representative

Title

Signature

110 N. Mainfield St. 200 Midland 79701

432-687-1515

5.31.13

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) Endeavor Energy Resources LP	2. RRC Operator No. 251726	3. RRC District No. 08	4. County of Well Site Winkler
5. Field Wolfbone (Trend Area)	6. API No. 42-495-33445	7. Drilling Permit No. 743402	
8. Lease Name University 26-20	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. NEW	11. Well No. 1

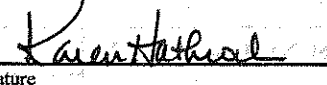
CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				8/16/2012			
13. Drilling hole size				8 3/4			
Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				7"			
15. Top of liner (ft.)							
16. Setting depth (ft.)				11845			
17. Number of centralizers used				24			
18. Hrs. waiting on cement before drill-out				24			
1st Slurry	19. API cement used: No. of sacks			350			
	Class			35:65 POZ / H			
	Additives			REMARKS			
2nd Slurry	No. of sacks			650			
	Class			50:50 POZ / H			
	Additives			REMARKS			
3rd Slurry	No. of sacks						
	Class						
	Additives						
1st	20. Slurry pumped: Volume (cu. ft.)			746			
	Height (ft.)			4963			
2nd	Volume (cu. ft.)			865			
	Height (ft.)			5755			
3rd	Volume (cu. ft.)						
	Height (ft.)						
Total	Volume (cu. ft.)			1611			
	Height (ft.)			10718			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				NO			
22. Remarks LEAD: 6%D020 + 5%D044 + 0.2%D046 + 0.06%D208 + 3pps D042 + 0.125pps D130 + 0.2%D201 + 0.2%D065 TAIL: 5%D044 + 2%D020 + 0.4%D800 + 0.2%D046 + 0.125pps D130 + 0.1%D065							

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.

<u>Edgar E. Machado</u>	<u>Schlumberger</u>	
Name and title of cementer's representative	Cementing Company	Signature
<u>1105 W Bender</u>	<u>Hobbs, NM 88240</u>	<u>575-393-6186</u>
Address	City, State, Zip Code	Tel. Area Code Number
		<u>8/16/2012</u>
		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.

<u>KAREN HATHCOCK</u>	<u>Regulatory Analyst</u>	
Typed or printed name of operator's representative	Title	Signature
<u>110 N. Main Street Ste 200 Midland, TX 79701</u>	<u>432-481-1575</u>	<u>5-31-13</u>
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 15 (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.

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

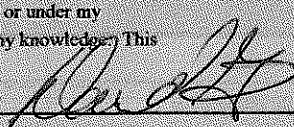
1. Operator's Name (As shown on Form P-5, Organization Report) Endeavor Energy Resources	2. RRC Operator No. 251726	3. RRC District No. 08	4. County of Well Site Winkler
5. Field Name (Wildcat or exactly as shown on RRC records) Spraberry (Trend Area)		6. API No. 42-495-33445	7. Drilling Permit No. 743402
8. Lease Name University "26-20"	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. NEW	11. Well No. 1

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				9/23/2012			
13. ●Drilling hole size				8 3/4			
●Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				4 1/2			
15. Top of liner (ft.)				11557			
16. Setting depth (ft.)				12635			
17. Number of centralizers used				0			
18. Hrs. waiting on cement before drill-out				24			
1st Slurry	19. API cement used: No. of sacks ▶			171			
	Class ▶			Class H			
	Additives ▶			Remarks			
2nd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶			202			
	Height (ft.) ▶			1157			
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			202			
	Height (ft.) ▶			1157			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				NO			
1st 1.5gal/skD600G+.08gal/skD80+.130gal/skD197+.03gal/skD47+20%S100							
2nd 0							
3rd 0							
4th							

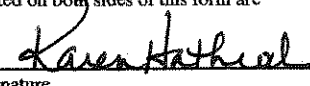
OVER ➔

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.

David Grant, FS	Dowell Schlumberger	
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: 23-Sep-12
		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.

KAREN HATHCOCK	Regulatory Analyst	
Typed or printed name of operator's representative	Title	Signature
110 N. Mainfield St. 200	Midland, TX 79701	432-687-1515
Address	City, State, Zip Code	Tel.: Area Code Number
		Date: 5-31-13
		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

From W-12
(1-1-74)

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District 08
		7. RRC Lease Number (Oil completions only) NEL
1. FIELD NAME (as per RRC Records or Wildcat) Wolfhone (Trend Area)	2. LEASE NAME UNIVERSITY "26-20"	8. Well Number #1
3. OPERATOR ENDEAVOR ENERGY RESOURCES, LP		9. RRC Identification Number (Gas completions only)
4. ADDRESS 110 N. MARIENFELD STE 200 MIDLAND, TEXAS 79701		10. County WINKLER
5. LOCATION (Section, Block, and Survey) Sec. 26 Blk. 20 44.		

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
237	2.37	0.75	1.31	3.10	3.10
505	2.68	0.25	0.44	1.18	4.28
815	3.10	0.25	0.44	1.36	5.65
1,099	2.84	0.25	0.44	1.25	6.90
1,241	1.42	0.25	0.44	0.62	7.52
1,669	4.28	0.25	0.44	1.88	9.41
1,796	1.27	0.25	0.44	0.56	9.96
2,256	4.60	0.25	0.44	2.02	11.99
2,445	1.89	0.75	1.31	2.48	14.46
2,710	2.65	0.50	0.87	2.31	16.77
3,195	4.85	0.25	0.44	2.13	18.90
3,320	1.25	0.25	0.44	0.55	19.45
3,619	2.99	0.50	0.87	2.60	22.06
4,153	5.34	0.50	0.87	4.65	26.70
4,531	3.78	0.75	1.31	4.95	31.65
4,683	1.52	0.25	0.44	0.67	32.32
4,908	2.25	0.50	0.87	1.96	34.28
5,152	2.44	0.25	0.44	1.07	35.35

If additional space is needed, use the reverse side of this form.

17. Is any information shown on reverse side of form ☒ Yes ☐ No
18. Accumulative total displacement of well bore at total depth of 12,774 feet = 168.46
- *19. Inclination measurements were made in: ☐ Logging ☐ Casing ☐ Open Hole ☒ File Pipe
20. Distance from surface location of well to the nearest lease line..... 467 feet.
21. Minimum distance to lease line as prescribed by field rules..... 467 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item</p> <p><i>Aaron P. Vree</i> Signature of Authorized Representative AARON P. VREE, BILLING COORDINATOR Name of Person and Title (type or print) Big Dog Drilling Name of Company <u>(432)561-5271</u> Area Code</p>	OPERATOR CERTIFICATION <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as</p> <p><i>Karen Hathcock</i> Signature of Authorized Representative KAREN HATHCOCK, REGULATORY ANALYST Name of Person and Title (type or print) Endeavor Energy Resources, LP Operator Telephone: <u>(432) 687-1575</u> Area Code</p>
---	---

Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

RECORD OF INCLINATION (Continued from reverse side)

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
5,446	2.94	0.50	0.87	2.56	37.91
5,830	3.84	0.50	0.87	3.34	41.25
6,040	2.10	0.50	0.87	1.83	43.08
6,278	2.38	0.25	0.44	1.05	44.13
6,762	4.84	0.50	0.87	4.21	48.34
6,994	2.32	0.25	0.44	1.02	49.36
7,400	4.06	0.50	0.87	3.53	52.89
7,732	3.32	0.25	0.44	1.46	54.35
8,295	5.63	0.50	0.87	4.90	59.25
8,640	3.45	1.00	1.75	6.04	65.29
8,797	1.57	3.00	5.23	8.21	73.50
8,874	0.77	2.75	4.80	3.70	77.19
8,990	1.16	3.00	5.23	6.07	83.26
9,092	1.02	2.75	4.80	4.90	88.16
9,219	1.27	2.75	4.80	6.10	94.25
9,505	2.86	2.25	3.92	11.21	105.46
9,566	0.61	1.25	2.18	1.33	106.79
9,756	1.90	0.50	0.87	1.65	108.45
10,083	3.27	0.75	1.31	4.28	112.73
10,209	1.26	0.50	0.87	1.10	113.83
10,585	3.76	0.50	0.87	3.27	117.10
10,679	0.94	0.75	1.31	1.23	118.33
10,728	0.49	0.75	1.31	0.64	118.97
10,964	2.36	0.25	0.44	1.04	120.01
11,248	2.84	2.25	3.92	11.13	131.14
11,311	0.63	2.00	3.49	2.20	133.34
11,548	2.37	1.25	2.18	5.17	138.51
11,894	3.46	2.50	4.36	15.09	153.59
11,985	0.91	0.75	1.31	1.19	154.78
12,085	1.00	0.75	1.31	1.31	156.09
12,400	3.15	0.75	1.31	4.13	160.22
12,534	1.34	1.50	2.62	3.51	163.73
12,652	1.18	1.00	1.75	2.07	165.80
12,774	1.22	1.25	2.18	2.66	168.46

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

REMARKS: _____

- INSTRUCTIONS -

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

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

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

Tracking No.: 75497

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: ENDEAVOR ENERGY RESOURCES L.P.	District No. 08	Completion Date: 11/16/2012
Field Name WOLFBONE (TREND AREA)	Drilling Permit No. 743402	
Lease Name UNIVERSITY '26-20'	Lease/ID No. 44125	Well No. 1
County WINKLER	API No. 42- 495-33445	

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). _____

Karen Hathcock

Signature

ENDEAVOR ENERGY RESOURCES L.P.

Name (print)

Regulatory Analyst

Title

(432) 262-4013

Phone

06/10/2013

Date

-FOR RAILROAD COMMISSION USE ONLY-

Company: Endeavor Energy Resources LP

Well: University 26-20 #1

Field: Wolfbone (Trend Area)

County: Winkler State: Texas

County: Winkler Field: Wolfbone (Trend Area) Location: 467' FWL & 467' FNL Well: University 26-20 #1 Company: Endeavor Energy Resources LP	Platform Express					
	Compensated Neutron / Litho Density					
	Final Composite [5"=100']					
	Location: 467' FWL & 467' FNL Sec. 26, Abs. 20 University Lands Survey		Elev. K.B. 2801.00 ft G.L. 2775.00 ft D.F. 2800.00 ft			
Permanent Datum: Ground Level Log Measured From: Kelly Bushing Drilling Measured From: Kelly Bushing		Elev.: 2775.00 f 26.00 ft above Perm.Datum				
API Serial No. 42-495-33445		Section: 26	Block: 20	Abstract:		
Logging Date		13-Aug-2012		20-Sep-2012		
Run Number		1		2A		
Depth Driller		11845.00 ft		12635.00 ft		
Schlumberger Depth		11854.00 ft		12642.00 ft		
Bottom Log Interval		11854.00 ft		12642.00 ft		
Top Log Interval		5124.00 ft		11840.00 ft		
Casing Driller Size @ Depth		9.625 in @ 5125.00 ft		7 in @ 11844.00 ft		
Casing Schlumberger		5124 ft		11840 ft		
Bit Size		8.75 in		6.125 in		
Type Fluid In Hole		Salt Brine		Salt Brine		
MUD	Density	Viscosity	9.4 lbm/gal	36 s	16 lbm/gal	62 s
	Fluid Loss	PH	14 cm3	9	6 cm3	9
	Source of Sample		Active Tank		Active Tank	
RM @ Meas Temp		0.04 ohm.m @ 98.24 degF		0.06 ohm.m @ 77.5 degF		
RMF @ Meas Temp		0.04 ohm.m @ 98.24 degF		0.06 ohm.m @ 77.5 degF		
RMC @ Meas Temp						
Source RMF		RMC	Rm=Rmf	Rm = Rmf		Pressed
RM @ BHT		RMF @ BHT	0.03 @ 154.61	0.03 @ 154.61	0.03 @ 169.8	0.03 @ 169.8
Max Recorded Temperatures		154.61 degF		169.8 degF		
Circulation Stopped Time		11-Aug-2012 02:00:00		19-Sep-2012 14:00:00		
Logger on Bottom Time		13-Aug-2012 01:42:09		20-Sep-2012 04:30:49		
Unit Number	Location:		2299	Midland	2299	Midland, TX
Recorded By		Raehil Suleman		Sarah Yost		
Witnessed By		Scotty Bergeron		Audie Miller		

CERTIFICATE OF COMPLIANCE
AND TRANSPORTATION AUTHORITY

P-4

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.: 75497

1. Field name exactly as shown on proration schedule WOLFBONE (TREND AREA)		2. Lease name as shown on proration schedule UNIVERSITY '26-20'					
3. Current operator name exactly as shown on P-5 Organization Report ENDEAVOR ENERGY RESOURCES L.P.		4. Operator P-5 no. 251726	5. Oil Lse/Gas ID no 44125	6. County WINKLER	7. RRC district 08		
8. Operator address including city, state, and zip code 110 N MARIENFELD ST MIDLAND, TX 79701		9. Well no(s) (see instruction E) 1			11. Effective Date 11/16/2012		
		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: _____ Docket #: _____ <input type="checkbox"/> lease name from: _____ <hr/> b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well Due to: <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 <input type="checkbox"/> unitization <input type="checkbox"/> field transfer <input type="checkbox"/> 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	REGENCY FIELD SERVICES LLC(698769)			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	
OASIS TRANSP & MARKETING CORP.(617482)						100.0	
RRC USE ONLY: Reviewer's initials: _____ Approval date: _____							
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 _____ 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 _____							
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. Name (print) _____ Signature _____ Regulatory Analyst _____ <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 _____ E-mail Address (optional) KarenH@eeronline.com							

STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 75497

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 ENDEAVOR ENERGY RESOURCES L.P. ,

UNIVERSITY '26-20' LEASE , No. 1 WELL ; that such well is

completed in the WOLFBONE (TREND AREA) Field, WINKLER County,

Texas and that the acreage claimed, and assigned to such well for proration purposes as authorized by special rule and as shown on the attached certified plat embraces _____

80.0 acres which can reasonably be considered to be productive of hydrocarbons.

- CERTIFICATE -

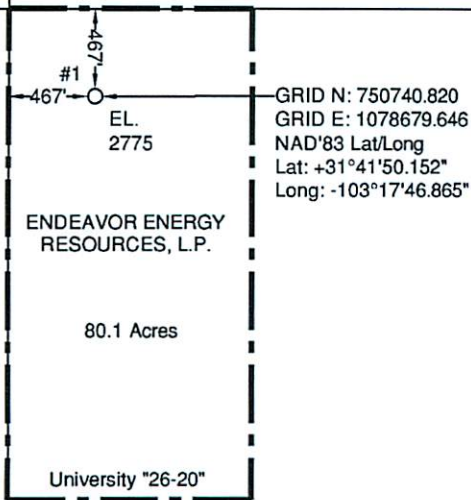
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge,

Date 05/02/2014 Signature Cherl Prince

Telephone (432) 262-4053 Title Senior Regulatory Manager
AREA CODE

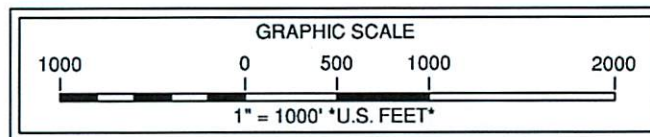
Block 20, University Lands Survey Winkler County, Texas

22 23 24
27 26 25



Driving Directions to Location:

From the intersection of Highway 302 and Highway 115 in Kermit, Texas, drive West on Hwy 302 for 5.2 miles to Farm-to-Market Road 1232;
Turn left (South) on Farm-to-Market Road 1232, drive 4.1 miles to County Road 201;
Turn right (West) on C.R. 201, drive 9.2 miles to lease road at Lat: 31°42'39.07", Long: 103°19'37.34";
Turn left (Southeast) on lease road, drive 2.5 miles to Lat: 31°41'49.90", Long: 103°17'53.81";
Location is left (East) 600 feet.



Note: Well is located 9.1 miles West-Southwest of the city of Wink, Texas.

Note: Survey Reconstruction filed in the Office of Pennell & Marlowe Land Surveyors, Inc.

Note: Coordinates shown herein are on The Texas Coordinate System of 1927, Central Zone.

USGS Quadrangle Sheet: Soda Lake NE, Tex.

Railroad Commission Permit Plat

ENDEAVOR ENERGY RESOURCES, L.P.
University "26-20" #1
467' FROM NORTH LINE
467' FROM WEST LINE
University "26-20" Lease
80.1 Acres being the W/2 of the NW/4 of
Section 26, Block 20
University Lands Survey
Winkler County, Texas

Scale: 1" = 1000'



Stephen P. Marlowe
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5715

June 21, 2012

120621B-JFG

P.O. Box 51622, Midland, Texas, 79710 (432) 570-6256 Fax (432) 682-3262

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date July 2, 2012

GAU File No.: SC- 5943

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

API Number 49500000

Attention: KAREN HATHCOCK

RRC Lease No. 000000

SC_251726_49500000_000000_5943.pdf

ENDEAVOR ENERGY RESOURCES LP
110 N MARIENFELD
STE 200
MIDLAND TX 79701

--Measured--

467 ft FWL

467 ft FNL

MRL: SURVEY

P-5# 251726

Digital Map Location:

X-coord/Long 1078679

Y-coord/Lat 750741

Datum 83 Zone C

County WINKLER

Lease & Well No. UNIVERSITY -26-20- #1&ALL

Purpose ND

Location SUR-UL,BLK-20,SEC-26,--[TD=14000],[RRC 8],

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 250 feet must be protected.

This recommendation is applicable to all wells drilled in this section 26.

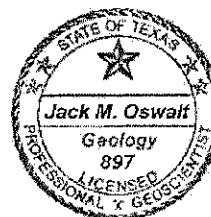
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form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

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

Sincerely,


Digitally signed by Jack Oswalt
DN: c=US, st=TEXAS, l=Austin,
o=Railroad Commission of Texas,
cn=Jack Oswalt,
email=jack.oswalt@rrc.state.tx.us
Date: 2012.07.02 15:42:42 -05'00'
Jack M. Oswalt, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 7/2/2012
Note: Alteration of this electronic document will invalidate the digital signature.

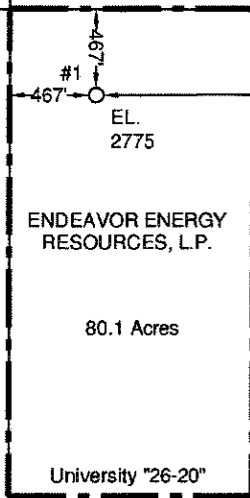
Block 20, University Lands Survey Winkler County, Texas

22

23 24

27

26 25



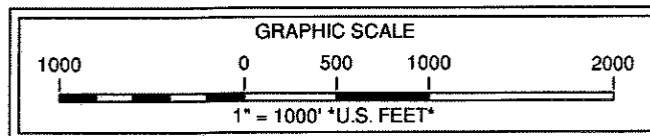
GRID N: 750740.820
GRID E: 1078679.646
NAD'83 Lat/Long
Lat: +31°41'50.152"
Long: -103°17'46.865"

Driving Directions to Location:

From the intersection of Highway 302 and Highway 115 in Kermit, Texas, drive West on Hwy 302 for 5.2 miles to Farm-to-Market Road 1232;
Turn left (South) on Farm-to-Market Road 1232, drive 4.1 miles to County Road 201;
Turn right (West) on C.R. 201, drive 9.2 miles to lease road at Lat: 31°42'39.07", Long: 103°19'37.34";
Turn left (Southeast) on lease road, drive 2.5 miles to Lat: 31°41'49.90", Long: 103°17'53.81";
Location is left (East) 600 feet.

34

35 36



Note: Well is located 9.1 miles West-Southwest of the city of Wink, Texas.

Note: Survey Reconstruction filed in the Office of Pennell & Marlowe Land Surveyors, Inc.

Note: Coordinates shown herein are on The Texas Coordinate System of 1927, Central Zone.

USGS Quadrangle Sheet: Soda Lake NE, Tex.

Railroad Commission Permit Plat

ENDEAVOR ENERGY RESOURCES, L.P.
University "26-20" #1
467' FROM NORTH LINE
467' FROM WEST LINE
University "26-20" Lease
80.1 Acres being the W/2 of the NW/4 of
Section 26, Block 20
University Lands Survey
Winkler County, Texas

Scale: 1" = 1000'



Stephen P. Marlowe
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5715



June 21, 2012

120621B-JFG

P.O. Box 51622, Midland, Texas, 79710 (432) 570-6256 Fax (432) 682-3262