

# RAILROAD COMMISSION OF TEXAS

Tracking No.: 18488

Status: Submitted

Oil and Gas Division

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

API No. 42- 003-42376

7. RRC District No.  
08

8. RRC Lease No.  
01270

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

1. FIELD NAME (as per RRC Records or Wildcat) <b>EMBAR (PERMIAN)</b>		2. LEASE NAME <b>UNIVERSITY ANDREWS</b>		9. Well No. <b>163</b>	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <b>CONOCOPHILLIPS COMPANY</b>		RRC Operator No. <b>172232</b>		10. County of well site <b>ANDREWS</b>	
4. ADDRESS <b>ATTN ALVA FRANCO P O BOX 51810 MIDLAND, TX 79710-1810</b>				11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain in remarks) <input type="checkbox"/>	
5. If Operator has changed within last 60 days, name former operator					
6a. Location (Section, Block, and Survey) <b>19, 10, UL</b>		6b. Distance and direction to nearest town in this county. <b>16 MILES SW FROM ANDREWS</b>			
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. <b>FIELD &amp; RESERVOIR</b>			GAS ID or OIL LEASE #	Oil-O Gas-G	Well #
13. Type of electric or other log run <b>Combo of Induction/Neutron/Density</b>			14. Completion or recompletion date <b>02/18/2011</b>		

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

15. Date of test <b>04/09/2011</b>		16. No. of hours tested <b>24</b>		17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump) <b>Pumping</b>		18. Choke size	
19. Production during Test Period		Oil - BBLs <b>18.0</b>	Gas - MCF <b>20</b>	Water - BBLs <b>405</b>	Gas - Oil Ratio <b>1111</b>	Flowing Tubing Pressure <b>PSI</b>	
20. Calculated 24-Hour Rate		Oil - BBLs <b>18.0</b>	Gas - MCF <b>20</b>	Water - BBLs <b>405</b>	Oil Gravity-API-60° <b>40.0</b>	Casing Pressure <b>PSI</b>	
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			22. Oil produced prior to test (New & Reworked wells) <b>100.0</b>			23. Injection Gas-Oil Ratio	
REMARKS: N/A							

**INSTRUCTIONS:** File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

#### WELL TESTERS CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

#### OPERATOR'S CERTIFICATION

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

**CONOCOPHILLIPS COMPANY**

Type or printed name of operator's representative

(432) 688-6906

05/10/2011

Telephone: Area Code

Number

Month Day Year

**Regulatory Specialist**

Title of Person

Alva Franco

Signature

SECTION III ON WELL COMPLETION AND LOG (Not Required on Rete)							
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 12/16/2010 PERMIT NO. 707068 Rule 37 Exception CASE NO.		
26. Notice of Intention to Drill this well was filed in Name of CONOCOPHILLIPS COMPANY					Water Injection Permit PERMIT NO. Salt Water Disposal Permit PERMIT NO. Other PERMIT NO.		
27. Number of producing wells on this lease in this field (reservoir) including this well 77		28. Total number of acres in this lease 4223.2					
29. Date Plug Back, Deepening, Workover or Drilling Operations: 01/21/2011		Commenced 01/29/2011		Completed 1125.0		30. Distance to nearest well, Same Lease & Reservoir	
31. Location of well, relative to nearest lease boundaries 820.0 Feet From North Line and 1980.0 Feet from East Line of the UNIVERSITY ANDREWS Lease							
32. Elevation (DF, RKB, RT, GR ETC.) 322 GL				33. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
34. Top of Pay 5736		35. Total Depth 7350		36. P. B. Depth 7292		37. Surface Casing Determined by Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input checked="" type="checkbox"/> Dt. of Letter 09/29/2006 Dt. of Letter 12/17/2010	
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. FIELD & RESERVOIR N/A					GAS ID or OIL LEASE #		Oil-G Gas-G
40. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/> 41. Name of Drilling Contractor HELMERICH & PAYNE					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.
8 5/8	24.0	1503		C 750	12 1/4	CIRC-SURF	1200.0
5 1/2	17.0	7338		50/50 POZ C 650	7 7/8	CIRC-SURF	1670.0
5 1/2	17.0	7338		50/50 POZ C 550	7 7/8	CIRC-SURF	957.0
44. LINER RECORD							
Size	Top	Bottom	Sacks Cement	Screen			
N/A							
45. TUBING RECORD				46. Producing Interval (this completion) Indicate depth of perforation or open hole			
Size	Depth Set	Packer Set	From	6795	To	7154	
2 7/8	7223		From	6520	To	6708	
			From	5736	To	6161	
			From		To		
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
Depth Interval			Amount and Kind of Material Used				
6798.0		7154.0	ACDZ W/4000G 15% HCL;FRAC W/26086 LBS PROPANT 20/40 SUPER LC, 67287G CLEAN FLUID				
6520.0		6708.0	ACDZ W/3000G 15% HCL;FRAC W/40036 LBS PROPANT 20/40 SUPER LC, 53499G CLEAN FLUID				
5735.0		6161.0	ACDZ W/1500G 15% HCL;FRAC W/137648 PROPANT 20/40 SUPER LC/JORDAN, 63865G CLEAN FLUID				
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)							
Formations	Depth	Formations	Depth				
CLEARFORK	5618.0						
LOWER CLEARFORK	6310.0						
WICHITA ALBANY	6741.0						
REMARKS: N/A							

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

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

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

1. Operator's Name (As shown on Form P-5, Organization Report) <b>Conoco Phillips</b>	2. RRC Operator No. <b>172232</b>	3. RRC District No. <b>08</b>	4. County of Well Site <b>Andrews</b>
5. Field Name (Wildcat or exactly as shown on RRC records) <b>Embar (Permian)</b>	6. API No. <b>42-003-42376</b>	7. Drilling Permit No. <b>707068</b>	
8. Lease Name <b>University Andrews</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>01270</b>	11. Well No. <b>163</b>

CASING CEMENTING DATA:		Surface	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		1/2/2011					
13. Drilling hole size		12 1/4					
Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)		8 5/8					
15. Top of liner (ft.)							
16. Setting depth (ft.)		1503					
17. Number of centralizers used		12					
18. Hrs. waiting on cement before drill-out		24 hrs					
1st Slurry	19. API cement used: No. of sacks	500					
	Class	C					
	Additives	See Remarks					
2nd Slurry	No. of sacks	250					
	Class	C					
	Additives	See Remarks					
3rd Slurry	No. of sacks						
	Class						
	Additives						
1st	20. Slurry pumped: Volume (cu. ft.)	865					
	Height (ft.)	1122.0					
2nd	Volume (cu. ft.)	335					
	Height (ft.)	390.0					
3rd	Volume (cu. ft.)						
	Height (ft.)						
Total	Volume (cu. ft.)	1200					
	Height (ft.)	1512.0					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		Yes					
22. Remarks							
1 Class C + 4% D020 + 1% S001+ 0.125 lbs/sk D130							
2 Class C Neat							
Circulated to Surface: 80 bbls, 262 sks							

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

**Emily Long**

**Schlumberger Well Services**

Name and title of cementer's representative

Cementing Company

Signature

**1105 W. Bender**

**Hobbs, NM 88240**

**575.393.6186**

**1/22/2011 0:00**

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.

Typed or printed name of operator's representative

Title

Signature

**P.O. Box 51810**

**Midland, TX 79710**

**432/688-6906**

**5/9/11**

Address

City, State, Zip Code

Tel.: Area Code Number

Date: mo. day yr.

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

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

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

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

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

**C. Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

**D. Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

**E. Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

**F. Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

**G. Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

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

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

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

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

1. Operator's Name (As shown on Form P-5, Organization Report) <b>ConocoPhillips</b>	2. RRC Operator No.	3. RRC No. <b>8</b>	4. County of Well Site <b>Andrews</b>
5. Field Name (Wildcat or exactly as shown on RRC records) <b>University Andrews</b>	6. API No. <b>42-003-42376</b>	7. Drilling Permit No. <b>707068</b>	
8. Lease Name <b>University Andrews</b>	9. Rule 37 Case No.	10. Oil Lease/G. <b>01270</b>	11. Well No. <b>163</b>

CASING CEMENTING DATA:		Surface	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel St	Tool	Shoe
12. Cementing Date				1/29/2011			
13. ●Drilling hole size				7 7/8			
●Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				5 1/2			
15. Top of liner (ft.)							
16. Setting depth (ft.)				7338			
17. Number of centralizers used				78			
18. Hrs. waiting on cement before drill-out				24 hrs			
1st Slurry	19. API cement used: No. of sacks			650			
	Class			50/50POZ C			
	Additives			See Remarks			
2nd Slurry	No. of sacks			550			
	Class			50/50 poz H			
	Additives			See Remarks			
3rd Slurry	No. of sacks						
	Class						
	Additives						
1st	20. Slurry pumped: Volume (cu. ft.)			1670			
	Height (ft.)			9611.0			
2nd	Volume (cu. ft.)			957			
	Height (ft.)			5469.0			
3rd	Volume (cu. ft.)						
	Height (ft.)						
Total	Volume (cu. ft.)			2627			
	Height (ft.)			15080.0			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				yes			
22. Remarks							
1 LEAD: 10% D20 + 5% D44 + .2 D46 + .125pps D130 + .1% D112 + 1% D42							
2 Tail : 6% D20 + 5%D44 + .2% D46 + .125pps D130 + 1% D112 + 3 PPS D42.							
3 Circulated 50 bbls to pit = 109 sks							



CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								

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.

**Stanley Adams**

**Schlumberger Well Services**

*Stanley Adams*  
Signature

Name and title of cementer's representative

Cementing Company

Signature

**1105 W. Bender**

**Hobbs, NM 88240**

**505.393.6186**

**1/29/2011 0:00**

Address

City

State, Zip Code

Tel. Area Code Number

Date mo. day yr.

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*Alva Franco*

*Reg. Specialist*

*Alva Franco*  
Signature

Typed or printed name of operator's representative

Title

Signature

**P.O. Box 51810**

**Midland Tx 79710**

**432/688-6906**

**5/9/11**

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:

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**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

Form W-12  
DBC1297 (1-1-71)

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report.)		
1. FIELD NAME (as per RRC Records or Wildcat) <u>Embar (Permian)</u>	2. LEASE NAME <u>University Andrews</u>	6. RRC District <u>08</u>
3. OPERATOR <u>Conoco Phillips</u>		7. RRC Lease Number. (Oil completions only) <u>01270</u>
4. ADDRESS <u>3300 N S. Street, Bldg 6 Midland, TX 79710</u>		8. Well Number <u>163</u>
5. LOCATION (Section, Block, and Survey) <u>19, 10, 44</u>		9. RRC Identification Number (Gas completions only)
		10. County <u>Andrews</u>

## 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 X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
500	5.00	1	1.75	8.75	8.75
1000	5.00	1.8	3.14	15.70	24.45
1496	4.96	.6	1.05	5.21	29.66
1512	0.16	1.48	2.58	0.41	30.07
2218	7.06	1.2	2.09	14.76	44.83
2489	2.71	2.1	3.66	9.92	54.75
2805	3.16	1.4	2.44	7.71	62.46
2987	1.82	.7	1.22	2.22	64.68
3484	4.97	1.1	1.92	9.54	74.22
3978	4.94	1.2	2.09	10.32	84.54
4473	4.95	1.3	2.27	11.24	95.78
4973	5.00	.5	0.87	4.35	100.13
5470	4.97	.9	1.57	7.80	107.93
5741	2.71	1.4	2.44	6.61	114.54
5875	1.34	2.2	3.84	5.15	119.69
5966	0.91	2.2	3.84	3.49	123.18

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

17. Is any information shown on the reverse side of this form? ☒ yes ☐ no
18. Accumulative total displacement of well bore at total depth of 7299.00 feet = 166.96 feet.
- \*19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line 820 feet.
21. Minimum distance to lease line as prescribed by field rules 330 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.)

<p><b>INCLINATION DATA CERTIFICATION</b></p> <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 numbers on this form.</p> <p><u>[Signature]</u> Signature of Authorized Representative</p> <p><u>Andy Dale, Administrator</u> Name of Person and Title (type or print)</p> <p><u>Helmerich &amp; Payne, IDC</u> Name of Company</p> <p>Telephone: <u>(432) 563-5757</u> Area Code</p>	<p><b>OPERATOR CERTIFICATION</b></p> <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 indicated by asterisks (*) by the item numbers on this form.</p> <p><u>[Signature]</u> Signature of Authorized Representative</p> <p><u>Alva Franco / Reg. Specialist</u> Name of Person and Title (type or print)</p> <p><u>ConocoPhillips Co.</u> Operator</p> <p>Telephone: <u>432 688-6900</u> Area Code</p>
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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)

[illegible]

If additional space is needed, attach separate sheet and 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.



## RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

ELECTRIC LOG  
STATUS REPORT

FORM L-1

Tracking No.: 18488

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: CONOCOPHILLIPS COMPANY	District No. 08	Completion Date: 02/18/2011
Field Name EMBAR (PERMIAN)	Drilling Permit No. 707068	
Lease Name UNIVERSITY ANDREWS	Lease/ID No. 01270	Well No. 163
County ANDREWS	API No. 42- 003-42376	

## 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: LOG WILL BE MAILED

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

Alva Franco

Signature

CONOCOPHILLIPS COMPANY

Name (print)

Regulatory Specialist

Title

(432) 688-6906

Phone

05/10/2011

Date

-FOR RAILROAD COMMISSION USE ONLY-

18488

Schlumberger

Company: ConocoPhillips Company

Well: University Andrews 163

Field: Embar (Permian)

County: Andrews

State: Texas

County: Andrews Field: Embar (Permian) Location: 820' FNL & 1980' FEL Well: University Andrews 163 Company: ConocoPhillips Company	<b>PLATFORM EXPRESS</b>			
	<b>Compensated Neutron Log</b>			
	<b>Three Detector LithoDensity</b>			
	LOCATION 820' FNL & 1980' FEL Section 19; Block 10 UL Survey		Elev.: K.B. 3268.00 ft G.L. 3252.00 ft D.F. 3267.00 ft	
Permanent Datum: <u>Ground Level</u> Log Measured From: <u>Kelly Bushing</u> Drilling Measured From: <u>Kelly Bushing</u>		Elev.: <u>3252.00 ft</u> 16.00 ft above Perm. Datur		
API Serial No. 42-003-42376		Section 19	Block 10	Survey UL
Logging Date		28-Jan-2011		
Run Number		One		
Depth Driller		7350 ft		
Schlumberger Depth		7350 ft		
Bottom Log Interval		7350 ft		
Top Log Interval		3500 ft		
Casing Driller Size @ Depth		8.625 in @ 1503 ft @		
Casing Schlumberger		1501 ft		
Bit Size		7.875 in		
Type Fluid In Hole		Brine		
MUD	Density	Viscosity	10 lbm/gal	35 s
	Fluid Loss	PH	15 cm3	10
	Source Of Sample		Mud Pit	
RM @ Measured Temperature		0.053 ohm.m @ 70 degF @		
RMF @ Measured Temperature		0.053 ohm.m @ 70 degF @		
RMC @ Measured Temperature		@ @		
Source RMF RMC		Rm = Rmf		
RM @ MRT RMF @ MRT		0.033 @ 115 0.033 @ 115 @ @		
Maximum Recorded Temperatures		115 degF 115 115		
Circulation Stopped Time		28-Jan-2011 4:00		
Logger On Bottom Time		28-Jan-2011 14:50		
Unit Number Location		2322 Midland, TX		
Recorded By		Sarah Yost / Heather Lemieux		
Witnessed By		Michelle Navarrette / Terry Brumley		