

Type or print only

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2
Rev. 4/1/83
DBC1297

API No. 42- 003-40589				7. RRC District No. 08	
Oil Well Potential Test, Completion or Recompletion Report, and Log					
1. FIELD NAME (as per RRC Records or Wildcat) Embar (Permian)		2. LEASE NAME University Andrews		9. Well No. 149	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) ConocoPhillips Company			RRC Operator No. 172232		10. County of well site Andrews
4. ADDRESS 3300 North A Street, Building 6 Midland, TX 79707				11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only <input type="checkbox"/> (explain in Remarks)	
5. If Operator has changed within last 60 days, name former operator					
6a. Location (Section, Block, and Survey) Sec 29 Blk 10 UL		6b. Distance and direction to nearest town in this county. 15 miles SW from Andrews			
12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR			GAS ID or OIL LEASE #	Oil - O Gas - G	WELL NO.
13. Type of electric or other log run CN/TDD				14. Completion or recompletion date 09/24/2008	

SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test 09/28/2008		16. No. of hours tested 24		17. Production method (Flowing, Gas Lift, Jetting, Pumping— Size & Type of pump) Flowing		18. Choke Size 64/64	
19. Production during Test Period		Oil - BBLS 57	Gas - MCF 115	Water - BBLS 79	Gas - Oil Ratio 2017.54	Flowing Tubing Pressure 50 PSI	
20. Calculated 24- Hour Rate		Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity-API-60° 40.6	Casing Pressure 200 PSI	
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			22. Oil Produced prior to test (New & Reworked wells) 228			23. Injection Gas-Oil Ratio	
REMARKS							

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 TESTER'S 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.

ConocoPhillips Company

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.

Wendi Lacki

Typed or printed name of operator's representative

(432) 688-9190

Telephone: Area Code Number

Date: 12/9/2008 mo. day year

Regulatory Technician

Title of Person

Signature Wendi Lacki

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Re-test)									
24. Type of Completion:		<input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other		25. Permit to Drill, Plug Back or Deepen Rule 37 DATE 07/17/2008 663659 PERMIT NO. CASE NO.					
26. Notice of Intention to Drill this well was filed in Name of		ConocoPhillips Company							
27. Number of producing wells on this lease in this field (reservoir) including this well		28. Total number of acres in this lease		29. Date Plug Back, Deepening, Workover or Drilling Operations:		30. Distance to nearest well, Same Lease & Reservoir			
31. Location of well, relative to nearest lease boundaries of lease on which this well is located		5644 East		South		2381 Feet from		08/21/2008/08/31/2008 912	
32. Elevation (DF, GR, KB, RT, GR, ETC.) 3224' GR/3236' KB		33. Was directional survey made other than inclination survey W-12?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		34. Top of Pay 6205' 35. Total Depth 6449' 36. P.B. Depth 6634' 37. Surface Casing Determined by: Field <input type="checkbox"/> Rules <input type="checkbox"/> Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/> DR of Letter 09/13/2006			
38. Is well multiple completion?		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease, GAS ID or Gas-G		40. Intervals Drilled by: Casing <input type="checkbox"/> Kelly <input type="checkbox"/> Cable <input type="checkbox"/> Tools		41. Name of Drilling Contractor		42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
43. Name of Drilling Contractor		44. Name of Drilling Contractor		45. Name of Drilling Contractor		46. Name of Drilling Contractor		47. Name of Drilling Contractor	
48. Name of Drilling Contractor		49. Name of Drilling Contractor		50. Name of Drilling Contractor		51. Name of Drilling Contractor		52. Name of Drilling Contractor	
53. Name of Drilling Contractor		54. Name of Drilling Contractor		55. Name of Drilling Contractor		56. Name of Drilling Contractor		57. Name of Drilling Contractor	
58. Name of Drilling Contractor		59. Name of Drilling Contractor		60. Name of Drilling Contractor		61. Name of Drilling Contractor		62. Name of Drilling Contractor	
63. Name of Drilling Contractor		64. Name of Drilling Contractor		65. Name of Drilling Contractor		66. Name of Drilling Contractor		67. Name of Drilling Contractor	
68. Name of Drilling Contractor		69. Name of Drilling Contractor		70. Name of Drilling Contractor		71. Name of Drilling Contractor		72. Name of Drilling Contractor	
73. Name of Drilling Contractor		74. Name of Drilling Contractor		75. Name of Drilling Contractor		76. Name of Drilling Contractor		77. Name of Drilling Contractor	
78. Name of Drilling Contractor		79. Name of Drilling Contractor		80. Name of Drilling Contractor		81. Name of Drilling Contractor		82. Name of Drilling Contractor	
83. Name of Drilling Contractor		84. Name of Drilling Contractor		85. Name of Drilling Contractor		86. Name of Drilling Contractor		87. Name of Drilling Contractor	
88. Name of Drilling Contractor		89. Name of Drilling Contractor		90. Name of Drilling Contractor		91. Name of Drilling Contractor		92. Name of Drilling Contractor	
93. Name of Drilling Contractor		94. Name of Drilling Contractor		95. Name of Drilling Contractor		96. Name of Drilling Contractor		97. Name of Drilling Contractor	
98. Name of Drilling Contractor		99. Name of Drilling Contractor		100. Name of Drilling Contractor		101. Name of Drilling Contractor		102. Name of Drilling Contractor	
103. Name of Drilling Contractor		104. Name of Drilling Contractor		105. Name of Drilling Contractor		106. Name of Drilling Contractor		107. Name of Drilling Contractor	
108. Name of Drilling Contractor		109. Name of Drilling Contractor		110. Name of Drilling Contractor		111. Name of Drilling Contractor		112. Name of Drilling Contractor	
113. Name of Drilling Contractor		114. Name of Drilling Contractor		115. Name of Drilling Contractor		116. Name of Drilling Contractor		117. Name of Drilling Contractor	
118. Name of Drilling Contractor		119. Name of Drilling Contractor		120. Name of Drilling Contractor		121. Name of Drilling Contractor		122. Name of Drilling Contractor	
123. Name of Drilling Contractor		124. Name of Drilling Contractor		125. Name of Drilling Contractor		126. Name of Drilling Contractor		127. Name of Drilling Contractor	
128. Name of Drilling Contractor		129. Name of Drilling Contractor		130. Name of Drilling Contractor		131. Name of Drilling Contractor		132. Name of Drilling Contractor	
133. Name of Drilling Contractor		134. Name of Drilling Contractor		135. Name of Drilling Contractor		136. Name of Drilling Contractor		137. Name of Drilling Contractor	
138. Name of Drilling Contractor		139. Name of Drilling Contractor		140. Name of Drilling Contractor		141. Name of Drilling Contractor		142. Name of Drilling Contractor	
143. Name of Drilling Contractor		144. Name of Drilling Contractor		145. Name of Drilling Contractor		146. Name of Drilling Contractor		147. Name of Drilling Contractor	
148. Name of Drilling Contractor		149. Name of Drilling Contractor		150. Name of Drilling Contractor		151. Name of Drilling Contractor		152. Name of Drilling Contractor	
153. Name of Drilling Contractor		154. Name of Drilling Contractor		155. Name of Drilling Contractor		156. Name of Drilling Contractor		157. Name of Drilling Contractor	
158. Name of Drilling Contractor		159. Name of Drilling Contractor		160. Name of Drilling Contractor		161. Name of Drilling Contractor		162. Name of Drilling Contractor	
163. Name of Drilling Contractor		164. Name of Drilling Contractor		165. Name of Drilling Contractor		166. Name of Drilling Contractor		167. Name of Drilling Contractor	
168. Name of Drilling Contractor		169. Name of Drilling Contractor		170. Name of Drilling Contractor		171. Name of Drilling Contractor		172. Name of Drilling Contractor	
173. Name of Drilling Contractor		174. Name of Drilling Contractor		175. Name of Drilling Contractor		176. Name of Drilling Contractor		177. Name of Drilling Contractor	
178. Name of Drilling Contractor		179. Name of Drilling Contractor		180. Name of Drilling Contractor		181. Name of Drilling Contractor		182. Name of Drilling Contractor	
183. Name of Drilling Contractor		184. Name of Drilling Contractor		185. Name of Drilling Contractor		186. Name of Drilling Contractor		187. Name of Drilling Contractor	
188. Name of Drilling Contractor		189. Name of Drilling Contractor		190. Name of Drilling Contractor		191. Name of Drilling Contractor		192. Name of Drilling Contractor	
193. Name of Drilling Contractor		194. Name of Drilling Contractor		195. Name of Drilling Contractor		196. Name of Drilling Contractor		197. Name of Drilling Contractor	
198. Name of Drilling Contractor		199. Name of Drilling Contractor		200. Name of Drilling Contractor		201. Name of Drilling Contractor		202. Name of Drilling Contractor	
203. Name of Drilling Contractor		204. Name of Drilling Contractor		205. Name of Drilling Contractor		206. Name of Drilling Contractor		207. Name of Drilling Contractor	
208. Name of Drilling Contractor		209. Name of Drilling Contractor		210. Name of Drilling Contractor		211. Name of Drilling Contractor		212. Name of Drilling Contractor	
21									

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Re-test)

24. Type of Commission:	_____
23. Term of Office:	_____
22. Place of Birth:	_____
21. Date of Birth:	_____
20. Name of the Candidate:	_____
19. Name of the Candidate:	_____
18. Name of the Candidate:	_____
17. Name of the Candidate:	_____
16. Name of the Candidate:	_____
15. Name of the Candidate:	_____
14. Name of the Candidate:	_____
13. Name of the Candidate:	_____
12. Name of the Candidate:	_____
11. Name of the Candidate:	_____
10. Name of the Candidate:	_____
9. Name of the Candidate:	_____
8. Name of the Candidate:	_____
7. Name of the Candidate:	_____
6. Name of the Candidate:	_____
5. Name of the Candidate:	_____
4. Name of the Candidate:	_____
3. Name of the Candidate:	_____
2. Name of the Candidate:	_____
1. Name of the Candidate:	_____

<input checked="" type="checkbox"/> New Well	<input type="checkbox"/> Deepening	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Other
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26. Notice of Intention to Drill this well was filed in Name of	Exception

ConocoPhillips Company	Permit
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28. Total number of acres in this field (reservoir) including this well in this lease

27. Number of producing wells on this lease in the field (including this well)	
28. Total number of acres in this lease	
Salt Water Disposal	
PERMIT NO.	

51	4223.2	Other	PERMIT NO.
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Wm. Fries Brock & Co., Inc.

11-00000-1

31. Location of well, relative to nearest lease boundaries of lease on which this well is located	East	Line of the	University Andrews	Lease
	5644	Feet from	South	Feet from
			Line and	2381

33. Was a directional survey made other than inclusion (Form W-12)?

☐ Yes ☒ No

3228/3230 82

34. Top of Pay	35. Total Depth	36. P.B. Depth	37. Surface Casing Determined by: Field	Recommendation of T.D.W.R.	<input type="checkbox"/> <input checked="" type="checkbox"/>	Dr. of Letter 09/13/2006
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6205	6449	6634	Rules Railroad Commission (Special)	Dr of Letter
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Drilled by:	Tools	Tools	WELL #	OIL-O Gas-G	GAS ID or OIL LEASE #	FIELD & RESERVOIR
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[illegible]

41. Name of Billing Contact				
42. Is Contracting Firm?				

Precision 297					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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[illegible]

CASING SIZE	WT #/FT.	DEPTH SET	MULTIPLIER	TOOL DEPTH	THREE AMOUNT CEMENT (sacks)	HOLE SIZE	LOT OF CEMENT	EXCESSIVE VOL. cu ft.
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[illegible]

5 1/2"	15.5#	66351	5505XSC1ASSC	7 7/8"	Surface
8 5/8"	24#	13651	6505XSC1ASSC	12 1/4"	Surface

5508XSH						
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Size	Top	Bottom	Sacks Cement	Screen
LINER RECORD				
44.				

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45	TUBING RECORD	46. Producing Interval (this completion) Indicate depth of perforation or open hole
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Size	Depth Set	Packer Set	From 6205'	To 6324'
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2 3/8"	6120.5'	From	6375'	To	6550'
		From	6515'	To	6580'

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	००००	०१	६७६०	माहि	

[illegible]

47.	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	Amount and Kind of Material Used

6205' - 6324'	13100gal Waterftrac/5844gal 15% Fercheck
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1038sxs 20/40 SB Excel/51087 Silverstlm	-
13442371 Water-30/301621 154Barobest	55501

	687xs	20/40 SB Excel/576gal Silvestriim
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48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Clear Fork	5404	Wichita Albany	6431
Formations	Lepta	Formations	Lepta

		6685	१११५
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Lower Clear Fork	6029		
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REMARKS

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

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

6. RRC District

INCLINATION REPORT

(One Copy Must Be Filed With Each Completion Report.)

7. RRC Lease Number.
(Oil completions only)

1. FIELD NAME (as per RRC Records at Midland)

2. LEASE NAME

8. Well Number

3. OPERATOR

9. RRC Identification
Number
(Gas completions only)

4. ADDRESS

10. County

5. LOCATION (Section, Block, and Survey)

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)
192	1.92	.2	.40	.77	.77
473	2.81	.0	0	0	.77
1009	5.36	.5	.87	4.66	5.43
1357	3.40	0.5	.87	3.03	8.46
1644	2.47	.5	.87	2.50	10.96
1962	3.14	.8	1.40	4.45	15.41
2279	3.17	.8	1.40	4.45	19.85
2551	2.72	.7	1.22	3.32	23.17
2868	2.17	.4	.70	2.22	25.39
3185	3.17	.8	.87	2.76	28.14
3503	3.14	1.0	1.75	5.57	33.71
3866	3.63	1.4	2.44	8.86	42.57
4134	2.72	1.4	2.44	6.64	49.21
4410	2.72	1.1	1.92	5.22	54.43
4728	3.14	.8	.87	2.77	57.20
5076	3.13	.5	.87	2.77	59.97

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

6449 feet = 82.61 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

2381 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.)

INCLINATION DATA CERTIFICATION

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

Signature of Authorized Representative

Scott Wilson, Rig Manager

Name of Person and Title (type or print)

Decision Drilling

Name of Company

Telephone: 817 597-4845

Area Code

OPERATOR CERTIFICATION

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

Signature of Authorized Representative

Wendi Lacki, Regulatory Tech

Name of Person and Title (type or print)

ConocoPhillips Company

Operator

Telephone: 432 688-9190

Area Code

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]

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.

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.

Name and Title of Cementer's Representative
 Mike Kilgore
 Halliburton Energy Services
 Address
 6150 W. Murphy St.
 Odessa, TX
 City State, Zip Code
 79763
 Tel: Area Code Number
 1-800-844-8451
 Date: Mo. Day Yr.
 8/23/2008
 Signature

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
 Wendt Lackt
 Title
 Regulatory Tech.
 Address
 3300 N. A. St. Bldg 6 Midland, TX 79705
 City, State, Zip Code
 432-688-9190
 Tel: Area Code Number
 12/9/08
 Date: Mo. Day Yr.
 Signature

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).
 Instruction to Form W-15, Cementing Report

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 diverter 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
HAL1199

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report) ConocoPhillips Company	2. RRC Operator No. 172232	3. RRC District No. 08	4. County of Well Site Andrews
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Embar (Permian)	6. API No. 42-003-40589	7. Drilling Permit No. 663659	
8. Lease Name University Andrews	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. 149

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				8/31/2008			
13. *Drilled 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)				6635'			
17. Number of centralizers used				25			
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ▶			550			
	Class ▶			H			
	Additives ▶			see remarks			
2nd Slurry	No. of sacks ▶			550			
	Class ▶			H			
	Additives ▶			see remarks			
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu.ft.) ▶			1386			
	Height (ft.) ▶			8005			
2nd	Volume (cu.ft.) ▶			855			
	Height (ft.) ▶			5088			
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶			2241			
	Height (ft.) ▶			13093			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				NO			
22. Remarks 1ST: .4% HALAD @-9 , .1% ECONOLITE. 2ND: .5% LAP-1 , .4% CFR-3 , 1#/SK SALT , 5#/SL GILSONITE , 1#/SL PHENO SEAL , .25#/SK D-AIR.						Sales Order 6114441 Customer Name CONOCO/PHILLIPS COMPANY EBUS Lease UNIVERSITY ANDREWS Well Number 149 Andrews County	

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.

SAM HUTCHINS / SERVICE SUPERVISOR
Name and Title of Cementer's Representative

Halliburton Energy Services
Cementing Company

Sam Hutchins
Signature

6155 W MURPHY ST **ODESSA** **TX** **79763**
Address City State, Zip Code

1-800-844-8451
Tel: Area Code Number

8/31/2008
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.

Wendi Lacki
Typed or Printed Name of Operator's Representative

Regulatory Technician
Title

Wendi Lacki
Signature

3300 N. A St Bldg 6 **Midland TX 79705**
Address City, State, Zip Code

432-688-9140
Tel: Area Code Number

12/9/08
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 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.

PLEASE
DO NOT STAPLE

DEPTH C- USABLE-QUALITY GROUND WATER TO BE PROTECTED

PLEASE READ ALL INSTRUCTION.

The information requested is essential in order for this agency to provide an appropriate response. Please allow for receipt of this form in our offices at least two weeks before your operation begins. Due to the volume of these requests, at times, it may be difficult for us to handle telephone inquiries. Complete, keep the bottom sheet (goldenrod) for your files, and mail the top 3 sheets of the 4-sheet set of carbon-backed forms with a map to the address below. One sheet bearing our response will be returned to you. Another will be sent to the appropriate district office of the Railroad Commission. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3262. If you have questions on how to fill out this form or about the Surface Casing program, please contact us at 512/239-0515.

Surface Casing - MC 151
TCEQ
P.O. Box 13087
Austin, TX 78711-3087

Date 9/13/06

TCEQ File No.: SC-

12039

Alva Franco 432-688-6906

Name of person preparing this request & phone No. (with area code)

ConocoPhillips Company

Company (operator's name as on RRC form W-1)

3300 N. A Street, Bldg 6

Mailing Address

Midland, TX 79705

City and State

ZIP Code

FOR TCEQ USE ONLY

ALWAYS INCLUDE A MAP SHOWING YOUR WELL SITE AND ALL SURROUNDING SURVEYS

COUNTY	<u>Andrews</u>	Survey Name	<u>University Land Survey</u>	
Block No.	<u>10</u>	Township		Section or Survey No. <u>29</u> (or) Lot No. <u>149</u>
Abstract No. A-		LEASE Name	<u>University Andrews</u>	
Distances, in feet, and directions measured at right angles from each of two intersecting <input checked="" type="checkbox"/> Section or <input type="checkbox"/> Survey lines				
(NOT LEASE LINES) <u>330</u> feet from <u>South</u> line and <u>330</u> feet from <u>West</u> line.				
Distance (in miles) and direction from a nearby town in this County (name the town)				
<u>Approximately 15 miles Southwest of Andrews, Texas</u>				
THE ABOVE INFORMATION IN THIS BLOCK MUST BE COMPLETE AND CORRECT				
API #		RRC Lease No.	<u>01270</u>	RRC Dist. No. <u>08</u>
GPS Coord. (long/lat or X-Y state plane)	<u>387,862.6</u>		<u>207,248.5</u>	NAD <u>27</u>

Elevation 3224' Total Depth 6650' Geologic Fm. at T.D. Embar (Permian)

Purpose of the Request: ☒ New Drill ☐ Re-entry ☐ Plug & Abandon ☐ Other (specify) _____

Is this an amended request? ☐ Yes ☐ No

Previous File No. for this well: SC- _____

☐ Log included of same or nearby well (The applicable type of well log that shows the aquifers.) Please provide a location map or API# for attached log.

ALWAYS attach the electric log of any well that is to be reentered.

Additional remarks: Please provide lease line recommendation(s)

To protect usable-quality ground water at this location, the TEXAS COMMISSION ON ENVIRONMENTAL QUALITY recommends:

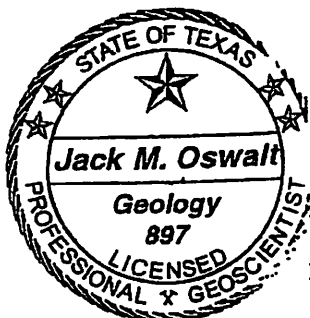
CO-ANDREWS, SUR-UL, BLK-10, SEC-29, LSE-UNIVERSITY ANDREWS, #11, 39/250, ZONE, 925, 1300; ...

The interval from the land surface to a depth of 250 feet, and the ZONE from 925 to 1300 feet must be protected.

This recommendation is applicable for all wells drilled in this W/2 SECTION 29.

Very truly yours,


Jack M. Oswalt, P.G.



Date

September 29, 2006

typed by TCEQ

Geologist, Surface Casing, TCEQ

NOTE: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Approval of the well-completion methods for protection of this ground water falls under the jurisdiction of the Railroad Commission of Texas. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operations into a nonproductive zone (RRC Form W-14).

FOLD

TYPE OR PRINT IN INK

DO

DO NOT WRITE HERE
FOR TCEQ USE ONLY

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

Form W-15
Cementing Report
Rev. 4/1/83
HAL1199

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report) ConocoPhillips Company	2. RRC Operator No. 172232	3. RRC District No. 08	4. County of Well Site Andrews
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Embar (Permian)		6. API No. 42-003-40589	7. Drilling Permit No. 663659
8. Lease Name University Andrews	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. 149

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		8/23/2008					
13. *Drilled 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)		1365'					
17. Number of centralizers used		9					
18. Hrs. waiting on cement before drill-out		19					
1st Slurry	19. API cement used: No. of sacks ▶	450					
	Class ▶	*					
	Additives ▶	see remarks					
2nd Slurry	No. of sacks ▶	200					
	Class ▶	**					
	Additives ▶	see remarks					
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu.ft.) ▶	823					
	Height (ft.) ▶	1995					
2nd	Volume (cu.ft.) ▶	330					
	Height (ft.) ▶	800					
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶	1153					
	Height (ft.) ▶	2795					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		yes					
22. Remarks * halliburton light prem plus with 3% salt ** 85/15 prem plus poz 3% bentonite, 2% calcium chloride circulated 92 sacks to the pit						Sales Order 6098906 Customer Name CONOCO/PHILLIPS COMPANY EBUS Lease UNIVERSITY ANDREWS Well Number 149 Andrews County	

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