

Type or print only

## RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Form W-2

Rev. 4/1/83

DBC1297

API No. 42- 003-40687				7. RRC District No. <b>08</b>	
<b>Oil Well Potential Test, Completion or Recompletion Report, and Log</b>				8. RRC Lease No. <b>01270</b>	
1. FIELD NAME (as per RRC Records or Wildcat) <b>Embar (Permian)</b>		2. LEASE NAME <b>University Andrews</b>		9. Well No. <b>148</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>P.O. Box 51810 Midland, TX 79710-1810</b>				11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input checked="" 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) <b>Sec 30 Blk 10 UL</b>		6b. Distance and direction to nearest town in this county. <b>17 miles SW from Andrews, TX</b>			
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				14. Completion or recompletion date <b>3 / 4 / 2009</b>	

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

15. Date of test <b>04/30/2009</b>		16. No. of hours tested <b>24</b>		17. Production method (Flowing, Gas Lift, Jetting, Pumping-- Size & Type of pump) <b>Rod Insert Pump</b>		18. Choke Size	
19. Production during Test Period <b>54</b>		Oil - BBLS <b>214</b>		Gas -- MCF <b>105</b>		Water - BBLS <b>3963:1</b>	
20. Calculated 24- Hour Rate		Oil - BBLS <b>44.00</b>		Gas -- MCF <b>44.00</b>		Water -- BBLS <b>44.00</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>approx 3132 bbls</b>				23. Injection Gas--Oil Ratio	
REMARKS <b>Added Pay in the Upper Clear Fork. Acidized/Stimulated Changed lift type to Rod Insert Pump. Returned to production.</b>							

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.

Signature : Well Tester

ConocoPhillips Company

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

Regulatory Technician

Title of Person

Signature

Telephone: Area Code Number

Date: mo. day year

## SECTION II

## DATA ON WELL COMPLETION AND LOG (Not Required on Retest)

24. Type of Completion:

New Well ☐Deepening ☐Plug Back ☐Other ☒25. Permit to Drill,  
Plug Back or  
Deepen

DATE

PERMIT NO.

08/06/2008 667099

Rule 37

CASE NO.

Exception

Water Injection

PERMIT NO.

Permit

Salt Water Disposal

PERMIT NO.

Permit

PERMIT NO.

Other

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 well28. Total number of acres  
in this lease

4223.2

29. Date Plug Back, Deepening,  
WorkOver or Drilling  
Operations:

Commenced

Completed

30. Distance to nearest well,  
Same Lease & Reservoir

10/05/2008 10/16/2008 675'

31. Location of well, relative to nearest lease boundaries  
of lease on which this well is located

330 Feet From

South

Line and

4032

Feet from

East

Line of the

University Andrews

Lease

32. Elevation (DF, RKB, RT, GR, ETC.)

3233' GL

33. Was directional survey made other  
than inclination (Form W-12)?☐ Yes☒ No

34. Top of Pay

5484'

35. Total Depth

6725'

36. P.B. Depth

6669'

37. Surface Casing  
Determined by:Field ☒

Rules

Recommendation of T.D.W.R. ☒Railroad Commission (Special) ☐

Dt. of Letter

09/29/2006

Dt. of Letter

38. Is well multiple completion?

No

39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease  
or Gas ID No.

FIELD &amp; RESERVOIR

GAS ID or  
OIL LEASE #Oil-O  
Gas-GWELL  
#40. Intervals  
Drilled  
by:Rotary  
ToolsCable  
Tools☒

41. Name of Drilling Contractor

Precision Drilling

42. Is Cementing Affidavit  
Attached?☐ Yes☒ 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#, K-55	1360'		650sx Eco/Ext	12 1/4"	Surface	1153
5 1/2"	15.5#, J-55	6715'		650sx Sup H	7 7/8"	Surface	1046
			DV @3788'	750sx C	7 7/8"		1837
			tail by	120sx PP			159

44. LINER RECORD

Size	Top	Bottom	Sacks Cement	Screen
				-
				-

45. TUBING RECORD

Size	Depth Set	Packer Set	From	To
2 7/8" &	6618.4		6097'	6624'
2 3/8"			5484'	5867' (new)

46. Producing Interval (this completion) Indicate depth of perforation or open hole

From	6097'	To	6624'
From	5484'	To	5867' (new)
From		To	
From		To	

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
5484' - 5867'	1505 gal 15% Acid; 11850 gal WaterFrac G
-	53903 gal Silverstim LT; 117704 lb Prem
-	Brown 20/40 Sand
-	

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth
Tubb	5908		
Lower Clearfork	6010'		
Wichita Albany	6385'		

REMARKS

New perms were shot at the following intervals: 5484-5489; 5523-5528; 5655-5660; 5676-5681; 5734-5739; 5820-5825; 5862-5867

Acidized/Stimulated Changed lift type to Rod Insert Pump. Returned to production.

8 5/8" Casing Grade Corrected to K-55