

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Form W-2

Rev. 4/1/83

DBC1297

Type or print only

API No. 42- 003-40592				7. RRC District No. 08	
Oil Well Potential Test, Completion or Recompletion Report, and Log				8. RRC Lease No. 01270	
1. FIELD NAME (as per RRC Records or Wildcat) Embar (Permian)		2. LEASE NAME University Andrews		9. Well No. 150	
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 P.O. Box 51810 Midland, TX 79710-1810				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, TX			
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 HGNS/HNGS/CCL			14. Completion or recompletion date 11/24/2008		

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

15. Date of test 12/02/2008		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 5	Gas - MCF 91	Water - BBLS 382	Gas - Oil Ratio 18200/1	Flowing Tubing Pressure 105 PSI	
20. Calculated 24- Hour Rate		Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity-API-60° 40.6	Casing Pressure 45 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) Approx. 35 bbls			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.

Alva Franco

Typed or printed name of operator's representative

Regulatory Specialist

Title of Person

Signature

(432) 688-6906

Telephone: Area Code Number

12/17/2008 / /

Date: mo. day year

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Retest)											
24. Type of Completion:						25. Permit to Drill, Plug Back or Deepen		DATE		PERMIT NO.	
New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>						Rule 37		06/18/2008		663773	
26. Notice of Intention to Drill this well was filed in Name of						Exception		CASE NO.			
ConocoPhillips Company						Water Injection Permit		PERMIT NO.			
27. Number of producing wells on this lease in this field (reservoir) including this well				28. Total number of acres in this lease		Salt Water Disposal Permit		PERMIT NO.			
52				4223.2		Other		PERMIT NO.			
29. Date Plug Back, Deepening, WorkOver or Drilling Operations:		Commenced		Completed		30. Distance to nearest well, Same Lease & Reservoir					
		09/25/2008		10/06/2008		666'					
31. Location of well, relative to nearest lease boundaries of lease on which this well is located				5522 Feet From		South Line and		1525 Feet from			
				East Line of the		University Andrews		Lease			
32. Elevation (DF, RKB, RT, GR, ETC.)				33. Was directional survey made other than inclination (Form W-12)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3222' GL											
34. Top of Pay		35. Total Depth		36. P.B. Depth		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"/>		Dt. of Letter	
6220'		6715'		6654'						09/13/2006	
38. Is well multiple completion?		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.		FIELD & RESERVOIR		GAS ID or OIL LEASE #		Oil-O Gas-G		WELL #	
No											
41. Name of Drilling Contractor										42. Is Cementing Affidavit Attached?	
Precision Drilling										<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#, J-55	1382'		650 sx Sup H	12 1/4"	Surface	718				
5 1/2"	15.5#, J-55	6700'		700 sx C/PP	7 7/8"	Surface	1047				
			DV@3868	600 sx C			1524				
			tail by	100 sx PP			133				

44. LINER RECORD				
Size	Top	Bottom	Sacks Cement	Screen
				-
				-

45. TUBING RECORD			46. Producing Interval (this completion) Indicate depth of perforation or open hole	
Size	Depth Set	Packer Set	From	To
2 7/8"	6578'		6220'	6590'
			From	To
			From	To
			From	To

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
Depth Interval	Amount and Kind of Material Used	
6220' - 6590'	Acdz w/2711gals 15% Ferchek;Frac w/68062 gals Silver Stim LT 20/40 SB sand	
-		
-		
-		

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
Tubb	5915'		
Lower Clearfork	6046'		
Wichita Albany	6443'		

REMARKS _____

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) 2. LEASE NAME 3. OPERATOR 4. ADDRESS 5. LOCATION (Section, Block, and Survey)	6. RRC District 7. RRC Lease Number (Oil completions only) 8. Well Number 9. RRC Identification Number (Gas completions only) 10. County
University Andrews Conoco Phillips Attn: Alva Franco, 3300 N. 11th St. Bldg 6 #247 Midland TX 79710 Section 29 Block 10 Survey 4L	08 01270 150 Andrews

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)
246	2.46	0.3	0.52	1.28	1.28
496	2.50	0.0	0.00	0.00	1.28
729	2.33	0.6	1.05	2.45	3.73
1002	2.73	0.8	1.40	3.82	7.55
1363	3.61	0.6	1.05	3.79	11.34
1666	3.03	1.0	1.75	5.30	16.64
1984	3.18	0.5	0.87	2.77	19.41
2301	3.17	0.5	0.87	2.76	22.17
2803	5.02	1.0	1.75	8.78	30.95
3256	4.53	0.75	1.31	5.93	36.88
3751	4.95	1.00	1.75	8.66	45.54
4299	5.48	2.25	3.93	21.54	67.08
4390	0.91	2.00	3.49	3.18	70.26
4523	1.33	2.50	4.36	5.80	76.06
4658	1.35	2.00	3.49	4.71	80.77
4798	1.40	2.00	3.49	4.89	85.66

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 _____ feet = 155.12 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 _____ feet.
21. Minimum distance to lease line as prescribed by field rules _____ 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 <u>Scott Wilson</u> Name of Person and Title (type or print) <u>Rig Manager</u> Name of Company <u>Precision Drilling</u> Telephone: <u>817</u> <u>597-4945</u> 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 <u>Alva Franco</u> Name of Person and Title (type or print) <u>Alva Franco/Regulatory Specialist</u> ConocoPhillips Company Operator Telephone: <u>432</u> <u>688-6906</u> Area Code
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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.

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. 42-003-40592	7. Drilling Permit No. 663773	
8. Lease Name University Andrews	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 01270	11. Well No. 150

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		9/27/2008					
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)		1382'					
17. Number of centralizers used		8					
18. Hrs. waiting on cement before drill-out		19 1/2 hrs					
1st Slurry	19. API cement used: No. of sacks ▶	450					
	Class ▶	Econocem					
	Additives ▶	3% Salt					
2nd Slurry	No. of sacks ▶	200					
	Class ▶	Extendacem					
	Additives ▶	See Remarks					
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu.ft.) ▶	505					
	Height (ft.) ▶	1180					
2nd	Volume (cu.ft.) ▶	213					
	Height (ft.) ▶	763					
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶	718					
	Height (ft.) ▶	1943					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		yes					
22. Remarks Tail Adds: 3% Bentonite, 2% CACL						Sales Order 6190015 Customer Name CONOCO/PHILLIPS COMPANY EBUS Lease UNIVERSITY ANDREWS Well Number 150 Andrews County	

OVER ►

Cementor: 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

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8. Lease Name University Andrews	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 01270	11. Well No. 150

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	1 ST STAGE	2 ND STAGE
12. Cementing Date						10/4/2008	10/4/2008
13. *Drilled hole size						7 7/8"	7 7/8"
*Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)						5 1/2"	5 1/2"
15. Top of liner (ft)							
16. Setting depth (ft)						3868'	6700'
17. Number of centralizers used							
18. Hrs. waiting on cement before drill-out							25
1st Slurry	19. API cement used: No. of sacks ▶					100	600
	Class ▶					SUPER H	INTERFILL C
	Additives ▶					SEE REMARKS	SEE REMARKS
2nd Slurry	No. of sacks ▶					550	100
	Class ▶					SUPER H	PREM PLUS
	Additives ▶					SEE REMARKS	SEE REMARKS
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu.ft.) ▶					161	1524
	Height (ft.) ▶					929	8796
2nd	Volume (cu.ft.) ▶					886	133
	Height (ft.) ▶					5114	768
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶					1047	1657
	Height (ft.) ▶					6043	9564
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?						Yes	Yes
22. Remarks 1 ST STAGE LEAD .5% LAP-1, .4% CFR-3, 1 LBM SALT, 5 LBM GILSONITE, .25 LBM D-AIR, 1 LBM PHENO SEAL, .25% HR-7 1 ST STAGE TAIL .5% LAP-1, .4% CFR-3, 1 LBM SALT, 5 LBM GILSONITE, .25 LBM D-AIR, 1 LBM PHENO SEAL 2 ND STAGE LEAD .4% HALAD R-9, .1% ECONOLITE 2 ND STAGE TAIL PREM PLUS HALCEM						Sales Order 6203015 Customer Name CONOCO/PHILLIPS COMPANY EBUS Lease UNIVERSITY ANDREWS Well Number 150 Andrews County	

OVER ►

PLEASE
DO NOT STAPLE

DEPTH OF USABLE-QUALITY GROUND WATER TO BE PROTECTED

PLEASE READ ALL INSTRUCTIONS

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	<u>29</u> (or) Lot No. <u>150</u>
Abstract No. A-	<u>University Andrews</u>	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>208</u> feet from <u>South</u> line and <u>1186</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 #	<u>388,724.0</u>	RRC Lease No.	<u>01270</u> RRC Dist. No. <u>08</u>
GPS Coord. (long/lat or X-Y state plane)	<u>207,319.2</u>	NAD	<u>27</u>

Elevation 3222' Total Depth 6675' 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)

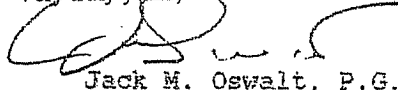
To protect usable-quality ground water at this location, the TEXAS COMMISSION ON ENVIRONMENTAL QUALITY recommends:

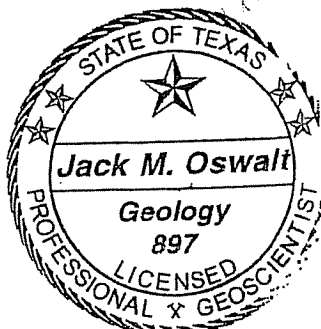
CO-ANDREWS, SUR-UL, BLK-10, SEC-29, LSE-UNIVERSITY ANDREWS, #11,39/250, ZONE, 925, 1300;...

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

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DO NOT WRITE HERE
FOR TCEQ USE ONLY