

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

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

Type or print only

Oil Well Potential Test, Completion or Recompletion Report, and Log				API No. 42- 003-40687	7. RRC District No. 08
					8. RRC Lease No. 01270
1. FIELD NAME (as per RRC Records or Wildcat) Embar (Permian)		2. LEASE NAME University Andrews		9. Well No. 148	
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	
5. If Operator has changed within last 60 days, name former operator				Initial Potential <input checked="" type="checkbox"/>	
6a. Location (Section, Block, and Survey) Sec 30 Blk 10 UL				Retest <input type="checkbox"/>	
6b. Distance and direction to nearest town in this county. 17 miles SW from Andrews, TX				Reclass <input type="checkbox"/>	
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/GR				14. Completion or recompletion date 11/21/2008	
Well record only <input type="checkbox"/> (explain in Remarks)					

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

15. Date of test 11/26/2008	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 21		Gas -- MCF 187	Water - BBLS 138	Gas - Oil Ratio 8904/1	Flowing Tubing Pressure PSI
20. Calculated 24-Hour Rate Oil - BBLS		Gas -- MCF	Water -- BBLS	Oil Gravity--API-60° 40.6	Casing Pressure 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 100 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
(432) 688-6906 **12/08/2008**
Telephone: Area Code Number Date: mo. day year

Regulatory Specialist
Title of Person
Alva Franco
Signature

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 08/06/2008 PERMIT NO. 667099
 Rule 37 CASE NO.
 Exception
 Water Injection PERMIT NO.
 Permit
 Salt Water Disposal PERMIT NO.
 Permit
 Other PERMIT NO.

26. Notice of Intention to Drill this well was filed in Name of
ConocPhillips Company

27. Number of producing wells on this lease in this field (reservoir) including this well: **100**
 28. Total number of acres in this lease: **4223.2**

29. Date Plug Back, Deepening, WorkOver or Drilling Operations: Commenced **10/05/2008** Completed **10/16/2008** 30. Distance to nearest well, Same Lease & Reservoir: **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 **6097'** 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**

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 & RESERVOIR**
 GAS ID or OIL LEASE # Oil-O Gas-G WELL #
 40. Intervals Drilled by: Rotary Tools Cable 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#, J-55	1360'		650 sx Eco/Ekt2	1 1/4"	Surface	1153
5 1/2"	15.5#, J-55	6715'		650 sx Sup H	7 7/8"	Surface	1046
			DV @3788	750 sx C	7 7/8"		1837
			tail by	120 sx PP			159

44. LINER RECORD

Size	Top	Bottom	Sacks Cement	Screen
				-
				-

45. TUBING RECORD

Size	Depth Set	Packer Set	From	To
2 7/8"	6045'		6097'	6361'
			6366'	6449'
			6465'	6624'

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

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

Depth Interval	Amount and Kind of Material Used
6097' - 6624'	3731 G 15% Ferchek; Frac w/58305 G
-	Silverstem LT R, Sand CRC 20/40
-	
-	

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 _____

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

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. 42-003-40687	7. Drilling Permit No. 667099
8. Lease Name University Andrews		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 01270	11. Well No. 148

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		10/6/2008					
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)		1360					
17. Number of centralizers used		8					
18. Hrs. waiting on cement before drill-out		17.75 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.) ▶	823.5					
	Height (ft.) ▶	1995					
2nd	Volume (cu.ft.) ▶	330					
	Height (ft.) ▶	762					
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶	1153.5					
	Height (ft.) ▶	2757					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		YES					
22. Remarks Mix and Pump 200sks of Extendacem at 13.5ppg with 3% Bentonite, 2% Calcium Chloride Circulated 40bbbls of Cement back to surface (123 sks)						Sales Order Customer Name Lease Well Number Andrews	6223942 CONOCO/PHILLIPS COMPANY EBUS UNIVERSITY ANDREWS 148 County

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

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

RAILROAD COMMISSION OF TEXAS
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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
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8. Lease Name University Andrews	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 01270	11. Well No. 148

	CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12.	Cementing Date					10/15/2008	10/15/2008
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)					3788	6715
17.	Number of centralizers used						25
18.	Hrs. waiting on cement before drill-out						
1st Slurry	19. API cement used: No. of sacks ▶					750	100
	Class ▶					INTERFILL C	SUPER H
	Additives ▶					SEE REMARKS	SEE REMARKS
2nd Slurry	No. of sacks ▶					120	550
	Class ▶					PREM. PLUS	SUPER H
	Additives ▶					SEE REMARKS	SEE REMARKS
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu.ft.) ▶					1837.5	161
	Height (ft.) ▶					10605.86	929.27
2nd	Volume (cu.ft.) ▶					159.6	885.5
	Height (ft.) ▶					921.19	5111.01
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶					1997.1	1046.5
	Height (ft.) ▶					11527.05	6040.28
21.	Was cement circulated to ground surface (or bottom of cellar) outside casing?					YES	YES

22. Remarks	Sales Order 6227911
1RST STAGE SLURRY SUPER H, ADDITIVES 0.5 % LAP-1, 0.4 % CFR-3, W/O DEFOAMER, 1 LBM SALT, 5 LBM GILSONITE, 0.25 LBM D-AIR 3000, 1 LBM PHENO SEAL, MIXED AT 13.2 # PPG	CONOCO/PHILLIPS COMPANY EBUS
1RST. STAGE SECOND SLURRY SUPER H, ADDITIVES 0.5 % LAP-1, 0.4 % CFR-3, W/O DEFOAMER, 1 LBM SALT, 5 LBM GILSONITE, 0.25 LBM D-AIR 3000, 1 LBM PHENO SEAL, MIXED AT 13.2 # PPG	Lease UNIVERSITY ANDREWS
2ND.STAGE SLURRY INTERFILL C, ADDITIVES 0.4 % HALAD R-9, 0.1 % ECONOLITE, MIXED AT 11.9 # PPG	Well Number 148
2ND. STAGE TAIL SLURRY PREMIUM PLUS, NO ADDITIVES MIXED AT 14.8 # PPG	Andrews County

OVER ►

**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.)		6. RRC District 08
		7. RRC Lease Number. (Oil completions only) 01270
1. FIELD NAME (as per RRC Records or Wildcat) Embar (Permian)	2. LEASE NAME University Andrews	8. Well Number 148
3. OPERATOR ConocoPhillips Company		9. RRC Identification Number (Gas completions only)
4. ADDRESS P O Box 51810, Midland, Texas 79710		10. County Andrews
5. LOCATION (Section, Block, and Survey) Sec. 30, Blk. 10, UL 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)
216	216	.8	1.40	3.02	3.02
467	251	.6	1.05	2.64	5.66
736	2.69	.6	1.05	2.82	8.48
1005	2.69	.7	1.22	3.28	11.76
1361	3.56	.3	.52	1.85	13.61
1638	2.77	.4	.70	1.94	15.55
1912	2.74	.4	.70	1.92	17.47
2228	3.16	.8	1.40	4.42	21.89
2546	3.18	.9	1.57	4.99	26.88
2865	3.19	1.2	2.09	6.67	33.55
3180	3.15	.9	1.57	4.95	38.50
3491	3.17	.8	1.40	4.44	42.94
3816	3.19	.7	1.22	3.29	46.83
4132	3.16	.6	1.05	3.32	50.15
4631	4.95	.9	1.57	7.77	57.92
5131	5.00	.8	1.40	7.00	64.92

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 6627 feet = 102.34 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 330 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>INCLINATION DATA CERTIFICATION</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>Scott Wilson</u> Signature of Authorized Representative</p> <p><u>Rig Manager</u> Name of Person and Title (type or print)</p> <p><u>Precision Drilling</u> Name of Company</p> <p>Telephone: <u>817</u> <u>597-4845</u> Area Code</p>	<p>OPERATOR CERTIFICATION</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>Alva Franco</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 Company</u> Operator</p> <p>Telephone: <u>432</u> <u>688-6906</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.

