

RAILROAD COMMISSION OF TEXAS

Tracking No.: 80111

Status: Submitted

Oil and Gas Division

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

API No. **42- 003-45088**

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) EMBAR (PERMIAN) | | 2. LEASE NAME UNIVERSITY ANDREWS | | 9. Well No. 236 |
| 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 ATTN ALVA FRANCO 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 (Explain In remarks) <input type="checkbox"/> |
| 5. If Operator has changed within last 60 days, name former operator | | | | |
| 6a. Location (Section, Block, and Survey) 30 , 10 , UL , A-U314 | | 6b. Distance and direction to nearest town in this county. 17 MILES SW DIRECTION 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-0 Gas-G |
| N/A | | | | Well # |
| 13. Type of electric or other log run Gamma Ray (MWD) | | 14. Completion or recompletion date 06/22/2013 | | |

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

| | | | | | |
|---|--------------------------------------|--|----------------------------|------------------------------------|---------------------------------------|
| 15. Date of test 06/28/2013 | 16. No. of hours tested 24 | 17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump) Pumping | | | 18. Choke size |
| 19. Production during Test Period | Oil - BBLS 289.0 | Gas - MCF 701 | Water - BBLS 215 | Gas - Oil Ratio 2425 | Flowing Tubing Pressure PSI |
| 20. Calculated 24-Hour Rate | Oil - BBLS 289.0 | Gas - MCF 701 | Water - BBLS 215 | Oil Gravity-API-60° 42.2 | 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) | | | 23. Injection Gas-Oil Ratio |
| REMARKS: N/A | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

INSTRUCTIONS: File an original and one copy of the completed FormW-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. |
| <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>Signature: Well Tester</div> <div>Name of Company</div> <div>RRC Representative</div> </div> | |

| | |
|--|--|
| | 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. |
| <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div> CONOCOPHILLIPS COMPANY Type or printed name of operator's representative (432) 688-9012 Telephone: Area Code Number Month Day Year </div> <div> Regulatory Specialist Title of Person Gustavo Fejervary Signature </div> </div> | |

| | | | | | | | | | | | | | | | | | | | |
|---|--|-----------|--|------------|--|-----------------------|--|------------------------------|--|--|--|---------------|--|---------------------|--|--|--|--|--|
| SECTION III | | | | | | | | | | DATA ON WELL COMPLETION AND LOG (Not Required on Retest) | | | | | | | | | |
| 24. Type of Completion | | | | | | | | | | 25. Permit to Drill, Plug Back or Deepen | | | | | | | | | |
| New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/> | | | | | | | | | | DATE 02/26/2013 PERMIT NO. 755091 | | | | | | | | | |
| 26. Notice of Intention to Drill this well was filed in Name of | | | | | | | | | | Rule 37 Exception | | | | | | | | | |
| CONOCOPHILLIPS COMPANY | | | | | | | | | | PERMIT NO. | | | | | | | | | |
| 27. Number of producing wells on this lease in this field (reservoir) including this well | | | | | | | | | | Water Injection Permit | | | | | | | | | |
| 120 | | | | | | | | | | PERMIT NO. | | | | | | | | | |
| 28. Total number of acres in this lease | | | | | | | | | | Salt Water Disposal Permit | | | | | | | | | |
| 4223.2 | | | | | | | | | | PERMIT NO. | | | | | | | | | |
| 29. Date Plug Back, Deepening, Workover or Drilling Operations: | | | | | | | | | | Other | | | | | | | | | |
| Commenced 04/26/2013 Completed 05/08/2013 | | | | | | | | | | PERMIT NO. | | | | | | | | | |
| 30. Distance to nearest well, Same Lease & Reservoir | | | | | | | | | | 665.0 | | | | | | | | | |
| 31. Location of well, relative to nearest lease boundaries | | | | | | | | | | 7991.0 Feet From North Line and 2762.0 Feet from West Line of the UNIVERSITY ANDREWS Lease | | | | | | | | | |
| 32. Elevation (DF, RKB, RT, GR ETC.) | | | | | | | | | | 33. Was directional survey made other than inclination (Form W-12)? | | | | | | | | | |
| 3246 GL | | | | | | | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | |
| 34. Top of Pay | | | | | | | | | | 35. Total Depth | | | | | | | | | |
| 6206 | | | | | | | | | | 7930 | | | | | | | | | |
| 36. P. B. Depth | | | | | | | | | | 37. Surface Casing Determined by | | | | | | | | | |
| 7799 | | | | | | | | | | Field Rules <input type="checkbox"/> | | | | | | | | | |
| 38. Is well multiple completion? | | | | | | | | | | Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Dt. of Letter 11/10/2011 | | | | | | | | | |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | Railroad Commission (Special) <input checked="" type="checkbox"/> Dt. of Letter 04/16/2013 | | | | | | | | | |
| 39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. | | | | | | | | | | GAS ID or OIL LEASE # | | | | | | | | | |
| FIELD & RESERVOIR | | | | | | | | | | Oil-0 Gas-G | | | | | | | | | |
| N/A | | | | | | | | | | Well # | | | | | | | | | |
| 40. Intervals Drilled by: | | | | | | | | | | 41. Name of Drilling Contractor | | | | | | | | | |
| Rotary Tools <input checked="" type="checkbox"/> Cable Tools | | | | | | | | | | 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 | | 1390 | | | | C 750 | | 12 1/4 | | 0 | | 1190.0 | | | | | |
| 5 1/2 | | 17.0 | | 7914 | | | | LITECRETE/TXI 1300 | | 7 7/8 | | 2398 | | 2319.0 | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 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 | | 6206 | | To | | 6349 | | | | | | | |
| 2 7/8 | | 7637 | | | | From | | 6562 | | To | | 6725 | | | | | | | |
| | | | | | | From | | 6908 | | To | | 7213 | | | | | | | |
| | | | | | | From | | | | To | | | | | | | | | |
| 47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC. | | | | | | | | | | | | | | | | | | | |
| Depth Interval | | | | | | | | | | Amount and Kind of Material Used | | | | | | | | | |
| 6206.0 | | | | | | | | | | 6349.0 | | | | | | | | | |
| 146058LBS OF PROPANT AND 79510 GALS OF CLEAN FLUID | | | | | | | | | | | | | | | | | | | |
| 6562.0 | | | | | | | | | | 6725.0 | | | | | | | | | |
| 3058 GALS OF 15% HCL ACID, 88548 LBS OF PROPANT AND 192876 GALS OF CLEAN FLUID | | | | | | | | | | | | | | | | | | | |
| 6908.0 | | | | | | | | | | 7213.0 | | | | | | | | | |
| 3057 GALS OF 15% HCL ACID, 99537 LBS OF PROPANT AND 208478 GALS OF CLEAN FLUID | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS) | | | | | | | | | | | | | | | | | | | |
| Formations | | Depth | | Formations | | Depth | | | | | | | | | | | | | |
| LOWER CLEARFORK | | 6018.0 | | | | | | | | | | | | | | | | | |
| WICHITA ALBANY | | 6411.0 | | | | | | | | | | | | | | | | | |
| ELLENBURGER | | 7718.0 | | | | | | | | | | | | | | | | | |
| REMARKS: N/A | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

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

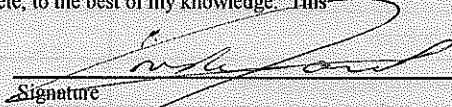
| | | | | |
|--|--|--------------------------------------|--|--|
| 1. Operator's Name (As shown on Form P-5, Organization Report) Conoco Phillips | | 2. RRC Operator No. 172232 | 3. RRC District No. 8 | 4. County of Well Site Andrews |
| 5. Field Name (Wildcat or exactly as shown on RRC records) Embar (Permian) | | | 6. API No. 42-003-45089 | 7. Drilling Permit No. 755091 |
| 8. Lease Name University Andrews | | 9. Rule 37 Case No. | 10. Oil Lease/Gas ID No. 01270 | 11. Well No. 236 |

| CASING CEMENTING DATA: | | SURFACE CASING | INTER-MEDIATE CASING | PRODUCTION CASING | | MULTI-STAGE CEMENTING PROCESS | |
|---|---------------------------------------|------------------|----------------------|-------------------|---------------------------|-------------------------------|------|
| | | | | Single String | Multiple Parallel Strings | Tool | Shoe |
| 12. Cementing Date | | 4/27/2013 | | | | | |
| 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.) | | 1390 | | | | | |
| 17. Number of centralizers used | | 12 | | | | | |
| 18. Hrs. waiting on cement before drill-out | | 32 | | | | | |
| 1st Slurry | 19. API cement used: No. of sacks ▶ | 500 | | | | | |
| | Class ▶ | C | | | | | |
| | Additives ▶ | Remarks | | | | | |
| 2nd Slurry | No. of sacks ▶ | 250 | | | | | |
| | Class ▶ | C | | | | | |
| | Additives ▶ | Remarks | | | | | |
| 3rd Slurry | No. of sacks ▶ | | | | | | |
| | Class ▶ | | | | | | |
| | Additives ▶ | | | | | | |
| 1st | 20. Slurry pumped: Volume (cu. ft.) ▶ | 855 | | | | | |
| | Height (ft.) ▶ | 2072 | | | | | |
| 2nd | Volume (cu. ft.) ▶ | 335 | | | | | |
| | Height (ft.) ▶ | 812 | | | | | |
| 3rd | Volume (cu. ft.) ▶ | | | | | | |
| | Height (ft.) ▶ | | | | | | |
| Total | Volume (cu. ft.) ▶ | 1190 | | | | | |
| | Height (ft.) ▶ | 2883 | | | | | |
| 21. Was cement circulated to ground surface (or bottom of cellar) outside casing? | | YES | | | | | |
| 1st .125ppsD130+2%S001+3%D020+.2%D046 2nd 2% S001+.125ppsD130 <div style="text-align: center;">FTL-C29T-00129 98 sks= 30 bbl to surface</div> | | | | | | | |


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.

| | | |
|---|----------------------------|---|
| Andre Powell, FS | Dowell Schlumberger |  |
| Name and title of cementer's representative | Cementing Company | Signature |
| 32 E. Industrial Loop | Midland, Texas 79701 | (432) 683-1887 |
| Address | City, State, Zip Code | Tel.: Area Code Number |
| | | Date: 27-Apr-13 |
| | | 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.

| | | |
|--|------------------------|---|
| GUSTAVO FEJERVARY | REG. SPECIALIST |  |
| Typed or printed name of operator's representative | Title | Signature |
| 3300 N A ST. Bldg 6, Midland TX, 79705 | City, State, Zip Code | 432-688-9012 |
| Address | City, State, Zip Code | Tel.: Area Code Number |
| | | Date: 07/18/13 |
| | | 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

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) Conoco Phillips | | 2. RRC Operator No. 172232 | 3. RRC District No. 8 | 4. County of Well Site Ector |
| 5. Field Name (Wildcat or exactly as shown on RRC records) Embar (Permian) | | | 6. API No. 42-003-45088 | 7. Drilling Permit No. 755091 |
| 8. Lease Name University Andrews | | 9. Rule 37 Case No. | 10. Oil Lease/Gas ID No. 01270 | 11. Well No. 236 |

| CASING CEMENTING DATA: | | SURFACE CASING | INTER-MEDIATE CASING | PRODUCTION CASING | | MULTI-STAGE CEMENTING PROCESS | |
|--|---------------------------------------|----------------|----------------------|-------------------|---------------------------|-------------------------------|------|
| | | | | Single String | Multiple Parallel Strings | Tool | Shoe |
| 12. Cementing Date | | | | 5/7/2013 | | | |
| 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.) | | | | 7914 | | | |
| 17. Number of centralizers used | | | | 63 | | | |
| 18. Hrs. waiting on cement before drill-out | | | | 16 | | | |
| 1st Slurry | 19. API cement used: No. of sacks ▶ | | | 800 | | | |
| | Class ▶ | | | LiteCRETE | | | |
| | Additives ▶ | | | REMARKS | | | |
| 2nd Slurry | No. of sacks ▶ | | | 500 | | | |
| | Class ▶ | | | TXI | | | |
| | Additives ▶ | | | REMARKS | | | |
| 3rd Slurry | No. of sacks ▶ | | | | | | |
| | Class ▶ | | | | | | |
| | Additives ▶ | | | | | | |
| 1st | 20. Slurry pumped: Volume (cu. ft.) ▶ | | | 1624.0 | | | |
| | Height (ft.) ▶ | | | 9373.5 | | | |
| 2nd | Volume (cu. ft.) ▶ | | | 695.0 | | | |
| | Height (ft.) ▶ | | | 4011.4 | | | |
| 3rd | Volume (cu. ft.) ▶ | | | | | | |
| | Height (ft.) ▶ | | | | | | |
| Total | Volume (cu. ft.) ▶ | | | 2319.0 | | | |
| | Height (ft.) ▶ | | | 13384.9 | | | |
| 21. Was cement circulated to ground surface (or bottom of cellar) outside casing? | | | | NO | | | |
| 1st LiteCRETE + 0.02%D206 + 0.2% D46 + 0.15% B374 + 0.4% D207 + 0.25% D65 + 0.05gps D701 + 0.02gps D206 | | | | | | | |
| 2nd TXI + 2% D20 + 0.5%D167 + 0.2% D46 + 0.25% B374 + 1% D174 + 0.2% D65 + 3pps D42 + 0.125pps D130 | | | | | | | |
| 3rd 0 | | | | | | | |
| 4th 0 | | | | | | | |

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.

Johnny Mares, FS2

Dowell Schlumberger

Name and title of cementer's representative

Cementing Company

Signature

32 E. Industrial Loop

Midland, Texas 79701

(432) 683-1887

7-May-13

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.

Gustavo FERNANDY

Reg Specialist

Signature

Typed or printed name of operator's representative

Title

3300 N A St. Bldg 6, Midland, TX, 79705

432 688 9012

7/18/13

Address

City, State, Zip Code

Tel.: Area Code Number

Date: mo. day yr.

Instructions to Form W-15, Cementing Report

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- **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.

Tracking No.: 80111

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: 06/22/2013 |
| Field Name EMBAR (PERMIAN) | Drilling Permit No. 755091 | |
| Lease Name UNIVERSITY ANDREWS | Lease/ID No. 01270 | Well No. 236 |
| County ANDREWS | API No. 42- 003-45088 | |

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: _____

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). _____

Gustavo Fejervary

Signature

CONOCOPHILLIPS COMPANY

Name (print)

Regulatory Specialist

Title

(432) 688-9012

Phone

07/18/2013

Date

-FOR RAILROAD COMMISSION USE ONLY-

HALLIBURTON

COMPENSATED NEUTRON COMPENSATED SPECTRAL NATURAL GAMMA RAY / C LOG

| | | | | | | | | |
|---|---------|-------------------|------------------------|--------------------------|--------|-------------------|-------|--|
| CONOCOPHILLIPS COMPANY UNIVERSITY ANDREWS 236 EMBAR ANDREWS State TEXAS Company Well Field County | Company | | CONOCOPHILLIPS COMPANY | | | | | |
| | Well | | UNIVERSITY ANDREWS 236 | | | | | |
| | Field | | EMBAR | | | | | |
| | County | | ANDREWS | | State | | TEXAS | |
| API No.: 42-003-45088 | | Serv #: 900430470 | | Other Services | | | | |
| Location: 2640' FNL & 50' FWL SEC. 30, BLK. 10 ABT. U314 UL SURVEY | | | | RCBL | | | | |
| Sec: | | Twp: | | Rge: | | | | |
| Permanent Datum | | GROUND LEVEL | | Elevation | | 3246' | | |
| Log Measured From | | KB | | 18 Ft. above perm. datum | | K.B. 3264' | | |
| Drilling Measured From | | KB | | | | D.F. 3263' | | |
| | | | | | | G.L. 3246' | | |
| Date @ Time Logged | | 13-MAY-2013 | | Type Fluid in Hole | | WATER | | |
| Run No. | | ONE | | Density of Fluid | | N/A | | |
| Depth - Driller | | 7930' | | Fluid Level | | SURFACE | | |
| Depth - Logger | | 7799' | | Cement Top Est. Logged | | 2398' | | |
| Bottom - Logged Interval | | 7797' | | Equipment / Location | | 11572225 / ODESSA | | |
| Top - Log Interval | | 200' | | Recorded by | | B. FONSECA | | |
| Max. Recorded Temp. | | NOT RECORDED | | Witnessed by | | M. NAVARETTE | | |
| CEMENTING DATA | | Surface | | Protection | | Production | | |
| | | String | | String | | String | | |
| Date / Time Cemented | | | | | | | | |
| Primary / Squeeze | | | | | | | | |
| Expected | | | | | | | | |
| Compressive Strength | | psi@ hrs | | psi@ hrs | | psi@ hrs | | |
| Cement Volume | | | | | | | | |
| Cement Type / Weight | | / | | / | | / | | |
| Formulation | | | | | | | | |
| Mud Type / Mud Wgt. | | / | | / | | / | | |
| Borehole Record | | | | Casing & Tubing Record | | | | |
| Run Number | Bit | From | To | Size | Weight | From | To | |
| ONE | 12.25" | SURFACE | 1389' | 8.625" | 24# | SURFACE | 1389' | |
| TWO | 7.875" | 1389' | 7930' | 5.5" | 17# | SURFACE | 7914' | |
| | | | | SHORT | JOINT | 5999' | 6039' | |
| | | | | SHORT | JOINT | 7295' | 7338' | |

APPLICATION FOR ALTERNATE SURFACE CASING PROGRAM
Statewide Rule 13(b)(2)(g)
RRC District 8/8A

7/03

| | | |
|---|--|------------------|
| Operator's Name and Address: ConocoPhillips Company Attn: Gustavo Fejervary P O Box 51810 Midland, TX 79710 | Lease: University Andrews | Well No.: 236 |
| | Field: Embar | |
| | Drilling Permit No.: 755091 | |
| | County: Andrews | RRC District: 08 |
| | Location: 2640 FNL, 50 FWL, Section 30, Block 10, University Lands | |
| | Proposed TD: 8400' | |

Distance and Direction from nearest town: 17 miles SW direction from Andrews, Texas

Proposed injection or disposal well? ☐ Yes ☒ No NOTE: Special conditions may apply. See PROVISIONS below.

Usable-quality water strata (as determined by TCEQ "Waterboard" letter) occur from land surface to depth of 250' and 900' to 1200'.

Note: Please submit copy of TCEQ "Waterboard" letter with this request. Request cannot be processed without this information.

Distance and direction of nearest water well (within ¼ mile): NONE

Type of water well (domestic, public, irrigation, stock, etc.): _____ Depth: _____

Proposed Casing and Cementing Program

Note: You may attach a wellbore diagram or cementing proposal to this application.

This application is for (check applicable boxes): ☐ Short surface casing ☒ **Excess surface casing** ☐ no surface casing

The proposed surface casing depth: Between 1363' and 1408' below Ground Level Multi-Stage tool depth (if applicable): None

Intermediate or production casing depth: None Multi-Stage tool depth (if applicable): None

Centralizer number and placement: 1 20' above shoe, 1 on joint above float collar, 1 on the 3rd joint, 1 every 3rd joint to surface.

Does the cement across the critical zone have 72-hr compressive strength of at least 1,200 psi? ☒ Yes ☐ No

Does the filler cement have 24-hr compressive strength of at least 250 psi? ☒ Yes ☐ No

Do you plan on circulating cement to the surface on all casing strings protecting usable-quality water? ☒ Yes ☐ No

Reason for this request: It is COP best practice to set the surface casing 25' into the Rustler formation. Geologists' estimate for top of the Rustler is 1338', putting the surface casing shoe exceeding the 200' allowance below the lowest quality water depth. The additional depth is requested so that the shoe is in a competent formation in the event of a well control situation.

PROVISIONS APPLICABLE TO RULE 13 EXCEPTIONS:

1. Caution: If this well is being drilled for injection or disposal purposes, an injection or disposal well permit may be denied unless surface casing is set and cemented through all zones of usable-quality groundwater.
2. Centralizers must be used through all usable-quality waters. Refer to Rule 13(b)(2)(F).
3. Notify District Office 8 hours prior to setting casing.

Signature:  Print Name: Gustavo Fejervary Date: 04/12/2013 Phone: 432/688-9012

IF CEMENT IS NOT CIRCULATED TO THE GROUND SURFACE AS REQUIRED BY THIS EXCEPTION, YOU MUST IMMEDIATELY CONTACT THE DISTRICT 8/8A OFFICE AT 432-684-5581, AND FOLLOW THE PROCEDURES AS SET OUT IN RULE 13(B)(2)(g)(III) OR AS RECOMMENDED BY THE DISTRICT OFFICE.

RRC Use Only ▶

RRC District Office Action:

☐ Approved ☒ Approved as Modified ☐ Denied

By: 

Date: 4-16-13

Remarks/Modifications: Critical Zone Slurry required across the water boards

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date **November 10, 2011**

GAU File No.: SC- **14830**

***** EXPEDITED APPLICATION *****

API Number **00300000**

Attention: **DORIAN K. FUENTES**

RRC Lease No. **000000**

SC_172232_00300000_000000_14830.pdf

CONOCOPHILLIPS CO
P O BOX 51810
MIDLAND TX 79710

--Measured--

230 ft FEL

820 ft FSL

MRL: SURVEY

Digital Map Location:

X-coord/Long **102.42414**

Y-coord/Lat **32.07384**

Datum **27** Zone

P-5# 172232

County **ANDREWS**

Lease & Well No. **UNIVERSITY ANDREWS #203&ALL**

(236)

Purpose **H15**

Location **SUR-UL, BLK-10, SEC-30, -- [TD=7200], [RRC 8],**

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:


The interval from the land surface to a depth of 250 feet and the ZONE from 900 feet to 1200 feet must be protected.

This recommendation is applicable to all wells drilled in this section 30.

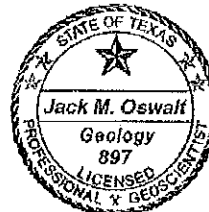
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,


Digitally signed by Jack Oswalt
DN: cn=US, st=TEXAS, l=Austin,
o=Railroad Commission of Texas,
cn=Jack Oswalt,
email=jack.oswalt@rrc.state.tx.us
Date: 2011.11.10 10:48:11 -0600
Jack M. Oswalt, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 11/10/2011
Note: Alteration of this electronic document will invalidate the digital signature.

