

# RAILROAD COMMISSION OF TEXAS

Tracking No.: 60465

Oil and Gas Division

Status: Work in Progress

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

API No. 42- 383-37828

7. RRC District No.

7C

8. RRC Lease No.

## Oil Well Potential Test, Completion or Recompletion Report, and Log

|  |  |  |  |   |
|--|--|--|--|---|
| 1. FIELD NAME (as per RRC Records or Wildcat)<br><b>LIN (WOLFCAMP)</b>   |  | 2. LEASE NAME<br><b>UNIVERSITY 9</b>   |  | 9. Well No.<br><b>2808H</b>   |
| 3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report)<br><b>EOG RESOURCES, INC.</b>                     |  | RRC Operator No.<br><b>253162</b>  |  | 10. County of well site<br><b>REAGAN</b>  |
| 4. ADDRESS<br><b>ATTN MIKE FRANCIS P O BOX 2267 MIDLAND, TX 79702-2267</b>   |  |  |  | 11. Purpose of filing<br>Initial Potential <input type="checkbox"/><br>Retest <input type="checkbox"/><br>Reclass <input type="checkbox"/><br>Well record only (Explain in remarks) <input checked="" type="checkbox"/> |
| 5. If Operator has changed within last 60 days, name former operator   |  |  |  |   |
| 6a. Location (Section, Block, and Survey)<br><b>28 , 9 , UNIVERSITY LAND</b>   |  | 6b. Distance and direction to nearest town in this county.<br><b>4.7 MILES NE OF TEXON</b> |  |   |
| 12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no.<br><b>FIELD &amp; RESERVOIR</b> |  | GAS ID or OIL LEASE #  |  | Oil-O Gas-G   |
| N/A  |  |  |  | Well #  |
| 13. Type of electric or other log run<br><b>None</b>   |  | 14. Completion or recompletion date<br><b>10/04/2012</b>                                   |  |   |

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

|   |                         |  |              |                      |                             |
|---|-------------------------|--|--------------|----------------------|-----------------------------|
| 15. Date of test  | 16. No. of hours tested | 17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump) |              |                      | 18. Choke size              |
| 19. Production during Test Period   | Oil - BBLS              | Gas - MCF  | Water - BBLS | Gas - Oil Ratio      | Flowing Tubing Pressure     |
|   |                         |  |              | <b>0</b>             | <b>PSI</b>                  |
| 20. Calculated 24-Hour Rate   | Oil - BBLS              | Gas - MCF  | Water - BBLS | Oil Gravity-API-60 ° | Casing Pressure             |
|   |                         |  |              |                      | <b>PSI</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)                            |              |                      | 23. Injection Gas-Oil Ratio |
| REMARKS: N/A  |                         |  |              |                      |                             |
|   |                         |  |              |                      |                             |
|   |                         |  |              |                      |                             |
|   |                         |  |              |                      |                             |

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 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.

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.

**EOG RESOURCES, INC.**

Type or printed name of operator's representative

**(432) 686-3684**

**11/27/2012**

Telephone: Area Code      Number      Month      Day      Year

**Sr. Regulatory Analyst**

Title of Person

**Renee Jarratt**

Signature

| SECTION III DATA ON WELL COMPLETION AND LOG (Not Required on Retest)   |                   |  |  |   |  |  |   |   |  |
|--|-------------------|--|--|---|--|--|---|---|--|
| 24. Type of Completion<br>New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>              |                   |  |  |   | 25. Permit to Drill, Plug Back or Deepen<br>DATE <b>05/19/2012</b> PERMIT NO. <b>740429</b><br>Rule 37 Exception<br>CASE NO.               |  |   |   |  |
| 26. Notice of Intention to Drill this well was filed in Name of<br><b>EOG RESOURCES, INC.</b>  |                   |  |  |   | Water Injection Permit<br>PERMIT NO.   |  |   |   |  |
| 27. Number of producing wells on this lease in this field (reservoir) including this well<br><b>18</b>   |                   |  | 28. Total number of acres in this lease<br><b>5812.2</b> |   | Salt Water Disposal Permit<br>PERMIT NO.   |  |   |   |  |
| 29. Date Plug Back, Deepening, Workover or Drilling Operations:<br><b>06/27/2012</b>   |                   |  | Commenced<br><b>10/04/2012</b>                           |   | 30. Distance to nearest well, Same Lease & Reservoir<br><b>440.0</b>   |  |   |   |  |
| 31. Location of well, relative to nearest lease boundaries<br><b>7979.0</b> Feet From <b>North</b> Line and <b>7658.0</b> Feet from<br><b>West</b> Line of the <b>UNIVERSITY 9</b> Lease |                   |  |  |   |  |  |   |   |  |
| 32. Elevation (DF, RKB, RT, GR ETC.)<br><b>2669</b> <b>GR</b>  |                   |  |  |   | 33. Was directional survey made other than inclination (Form W-12)?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |   |   |  |
| 34. Top of Pay<br><b>7894 MD:15552</b>   |                   | 35. Total Depth<br><b>7894 MD:15552</b>          |  | 36. P. B. Depth<br><b>7894 MD:15552</b> |  | 37. Surface Casing Determined by<br>Field Rules <input type="checkbox"/> |   | Recommendation of T.D.W.R. Railroad Commission (Special)<br><input checked="" type="checkbox"/> Dt. of Letter <b>05/18/2012</b><br><input type="checkbox"/> Dt. of Letter |  |
| 38. Is well multiple completion?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                   |  |  |   |  |  |   |   |  |
| 39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.<br><b>FIELD &amp; RESERVOIR</b><br><b>N/A</b>                                |                   |  |  |   |  | GAS ID or OIL LEASE #  |   | Oil-G Gas-G   |  |
| 40. Intervals Drilled by:<br><input checked="" type="checkbox"/> Rotary Tools <input type="checkbox"/> Cable Tools   |                   | 41. Name of Drilling Contractor<br><b>CACTUS</b> |  |   |  |  | 42. Is Cementing Affidavit Attached?<br><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.   |   |  |
| 13 3/8   | 54.5              | 690  |  | C 727                                   | 17 1/2   | SURFACE  | 959.0   |   |  |
| 5 1/2  | 17.0              | 15542  |  | H 2500                                  | 8 3/4  | 800 EST  | 15243.0   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
| 44. LINER RECORD   |                   |  |  |   |  |  |   |   |  |
| Size   | Top               | Bottom   | Sacks Cement   | Screen                                  |  |  |   |   |  |
| N/A  |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
| 45. TUBING RECORD  |                   |  |  |   |  |  |   |   |  |
| Size   | Depth Set         | Packer Set                                       | From   | To                                      |  |  |   |   |  |
| N/A  |                   |  | N/A  |   |  |  |   |   |  |
|  |                   |  | From   | To                                      |  |  |   |   |  |
|  |                   |  | From   | To                                      |  |  |   |   |  |
|  |                   |  | From   | To                                      |  |  |   |   |  |
| 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   |  |   |   |  |
| N/A  |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
| 48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)  |                   |  |  |   |  |  |   |   |  |
| Formations   | Depth             | Formations                                       | Depth  |   |  |  |   |   |  |
| LOWER SPRABERRY  | 6720.0 MD: 6720.0 |  |  |   |  |  |   |   |  |
| DEAN   | 7550.0 MD: 7550.0 |  |  |   |  |  |   |   |  |
| WOLFCAMP   | 7710.0 MD: 7710.0 |  |  |   |  |  |   |   |  |
| REMARKS: KOP - 7350'   |                   |  |  |   |  |  |   |   |  |
| WELL RECORD ONLY - WAITING ON COMPLETION   |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |
|  |                   |  |  |   |  |  |   |   |  |

Cementor: FS in shaded areas.  
Operator: FS in other areas.

Form W-15  
Cementing Report

# RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

|  |                     |                          |                        |
|--|---------------------|--------------------------|------------------------|
| 1. Operator's Name (As Shown on Form R-1, Classification Record) | 2. RRC Operator No. | 3. RRC District No.      | 4. County of Well Site |
| EOG Resources, Inc.  | 253162              | 7C                       | REAGAN                 |
| 5. Well Name (Addressee to EOG as Shown on RRC Records)          | 6. API No.          | 7. Well Number           |                        |
| Lin (Wolfcamp)   | 42-383-37828        | 740429                   |                        |
| 8. Lessee Name   | 9. Well ID Case No. | 10. Oil Lease/Cas ID No. | 11. Well Number        |
| UNIVERSITY 8   |                     |                          | 2808H                  |

| CASING CEMENTING DATA   |                                      | SURFACE CASING | INTERMEDIATE CASING | PRODUCTION CASING |                           | MULTI-STAGE CEMENTING PROCESS |      |
|---|--------------------------------------|----------------|---------------------|-------------------|---------------------------|-------------------------------|------|
|   |                                      |                |                     | SINGLE STRING     | MULTIPLE PARALLEL STRINGS | TOOL                          | SHOE |
| 12. Cementing Date  |                                      | 6/28/2012      |                     |                   |                           |                               |      |
| 13. "Dilled Hole Size   |                                      | 17.5           |                     |                   |                           |                               |      |
| "Est. % Wash or Hole Enlargement  |                                      |                |                     |                   |                           |                               |      |
| 14. Size of Casing (in. O.D.)   |                                      | 13.375         |                     |                   |                           |                               |      |
| 15. Top of Liner (ft)   |                                      |                |                     |                   |                           |                               |      |
| 16. Setting Depth (ft)  |                                      | 690            |                     |                   |                           |                               |      |
| 17. Number of Centralizers Used   |                                      | 7              |                     |                   |                           |                               |      |
| 18. Hrs. Waiting on Cement Before Dr-Out  |                                      | 24+            |                     |                   |                           |                               |      |
| 1st slurry  | 19. API Cement Used: No. of Sacks >  | 600            |                     |                   |                           |                               |      |
|   | Class >                              | C              |                     |                   |                           |                               |      |
|   | Additives >                          | Remarks # 1    |                     |                   |                           |                               |      |
| 2nd slurry  | No. of Sacks >                       | 127            |                     |                   |                           |                               |      |
|   | Class >                              | C              |                     |                   |                           |                               |      |
|   | Additives >                          | Remarks # 2    |                     |                   |                           |                               |      |
| 3rd slurry  | No. of Sacks >                       |                |                     |                   |                           |                               |      |
|   | Class >                              |                |                     |                   |                           |                               |      |
|   | Additives >                          |                |                     |                   |                           |                               |      |
| Total   | 20. Slurry Pumped: Volume (cu ft.) > | 792.00         |                     |                   |                           |                               |      |
|   | Height (ft) >                        | 1140.00        |                     |                   |                           |                               |      |
| 1st   | Volume (cu ft.) >                    | 167.00         |                     |                   |                           |                               |      |
|   | Height (ft) >                        | 242.00         |                     |                   |                           |                               |      |
| 2nd   | Volume (cu ft.) >                    |                |                     |                   |                           |                               |      |
|   | Height (ft) >                        |                |                     |                   |                           |                               |      |
| Total   | Volume (cu ft.) >                    | 959.00         |                     |                   |                           |                               |      |
|   | Height (ft) >                        | 1382           |                     |                   |                           |                               |      |
| 21. Was Cement Circulated to Ground Surface (or Bottom of Casing Outside Casing)? |                                      | YES            |                     |                   |                           |                               |      |
| 22. Remarks   |                                      |                |                     |                   |                           |                               |      |
| REMARKS # 1 CLASS C + 2% CACL2 + 0.25% R-38                                       |                                      |                |                     |                   |                           |                               |      |
| REMARKS # 2 CLASS C + 0.25% R-38  |                                      |                |                     |                   |                           |                               |      |
| TOPPED OUT WITH 30 BBLs 127 SKS OF CMT  |                                      |                |                     |                   |                           |                               |      |
| CIRCULATED 5 BBLs 21 SKS OF CMT IN CELLAR   |                                      |                |                     |                   |                           |                               |      |

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| 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. (lb/cu ft)                        |         |         |         |         |         |         |         |         |
| 31. Type Cement                                  |         |         |         |         |         |         |         |         |

**CEMENTERS 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.

**DANIEL AGUILAR**

Name and Title of Cementer's Representative

**RIISING STAR SERVICES LP.**

Cementing Company

Signature

**P.O. BOX 61193**

**MIDLAND**

**TX.**

**79711**

**(432) 617-0114**

**JUNE 28 2012**

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.

**Renee Jarratt**

**Regulatory Analyst**

Typed or Printed Name of Operator's Representative

Title

**P.O. Box 2267, Midland, Texas**

**432-686-3684**

**11/27/12**

Address

City

State

Zip Code

Tel. Area Code Number

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 W-16, 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 applications, 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 12 (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 1000 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)<br>EOG Resources, Inc. | 2. RRC Operator No.<br>253162 | 3. RRC District No.<br>7C        | 4. County of Well Site<br>Reagan |
| 5. Field Name (Wildcat or Exactly as Shown on RRC Records)<br>Lin (Wolfcamp)          | 6. API No.<br>42-383-37828    | 7. Drilling Permit No.<br>740429 |                                  |
| 8. Lease Name<br>University 9   | 9. Rule 37 Case No.           | 10. Oil Lease/Gas ID No.         | 11. Well No.<br>2808H            |

| CASING CEMENTING DATA:  |                                      | SURFACE CASING | INTER-MEDIATE CASING | PRODUCTION CASING  |                           | MULTI-STAGE CEMENTING PROCESS |      |
|---|--------------------------------------|----------------|----------------------|--|---------------------------|-------------------------------|------|
|   |                                      |                |                      | Single String  | Multiple Parallel Strings | Tool                          | Shoe |
| 12. Cementing Date  |                                      |                |                      | 10/3/2012  |                           |                               |      |
| 13. *Drilled hole size  |                                      |                |                      | 8-3/4  |                           |                               |      |
| *Est. % wash or hole enlargement  |                                      |                |                      |  |                           |                               |      |
| 14. Size of casing (in. O.D.)   |                                      |                |                      | 5-1/2  |                           |                               |      |
| 15. Top of liner (ft)   |                                      |                |                      |  |                           |                               |      |
| 16. Setting depth (ft)  |                                      |                |                      | 15542  |                           |                               |      |
| 17. Number of centralizers used   |                                      |                |                      | 125  |                           |                               |      |
| 18. Hrs. waiting on cement before drill-out   |                                      |                |                      |  |                           |                               |      |
| 1st Slurry  | 19. API cement used: No. of sacks ►  |                |                      | 445  |                           |                               |      |
|   | Class ►                              |                |                      | H  |                           |                               |      |
|   | Additives ►                          |                |                      | REMARK   |                           |                               |      |
| 2nd Slurry  | No. of sacks ►                       |                |                      | 2055   |                           |                               |      |
|   | Class ►                              |                |                      | H  |                           |                               |      |
|   | Additives ►                          |                |                      | REMARK   |                           |                               |      |
| 3rd Slurry  | No. of sacks ►                       |                |                      |  |                           |                               |      |
|   | Class ►                              |                |                      |  |                           |                               |      |
|   | Additives ►                          |                |                      |  |                           |                               |      |
| 1st   | 20. Slurry pumped: Volume (cu.ft.) ► |                |                      | 4504   |                           |                               |      |
|   | Height (ft.) ►                       |                |                      | 1228   |                           |                               |      |
| 2nd   | Volume (cu.ft.) ►                    |                |                      | 10739  |                           |                               |      |
|   | Height (ft.) ►                       |                |                      | 2713   |                           |                               |      |
| 3rd   | Volume (cu.ft.) ►                    |                |                      |  |                           |                               |      |
|   | Height (ft.) ►                       |                |                      |  |                           |                               |      |
| Total   | Volume (cu.ft.) ►                    |                |                      | 15243  |                           |                               |      |
|   | Height (ft.) ►                       |                |                      | 3941   |                           |                               |      |
| 21. Was cement circulated to ground surface (or bottom of cellar) outside casing?   |                                      |                |                      | NO   |                           |                               |      |
| 22. Remarks<br>LEAD - .15% SA-1015, .25LBMD-AIR 5000,.7% HR-601<br>TAIL - .7% HALAD®-23, 5LBM MICROBAND, .1% WG-17, 5% POTSSSIUM, .4% HR-601, .3% CFR-3 |                                      |                |                      | Sales Order 9856270<br>Customer Name EOG RESOURCES INC EBUSINESS<br>Lease University 09<br>Well Number 2808 H<br>Reagan County |                           |                               |      |

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| 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.

LARRY ESCOBAR Halliburton Energy Services  
Name and Title of Cementor's Representative Cementing Company Signature

6155 W MURPHY ODESSA TX 79762 432-571-8600 10/3/2012  
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.

Renee Jarratt Regulatory Analyst Renee Jarratt  
Typed or Printed Name of Operator's Representative Title Signature  
P.O. Box 2267, Midland, Texas 79702 432-686-3684 11/27/12  
Address City, State, Zip Code Tel: Area Code Number 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.

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date May 18, 2012

GAU File No.: SC- 10884

\*\*\*\*\* EXPEDITED APPLICATION \*\*\*\*\*

API Number 33833782

Attention: RENEE JARRATT

RRC Lease No. 000000

SC\_253162\_33833782\_000000\_10884.pdf

EOG RESOURCES INC  
PO BOX 2267  
MIDLAND TX 79702

--Measured--

2380 ft FWL

2650 ft FNL

MRL: SURVEY

P-5# 253162

Digital Map Location:

X-coord/Long 1600695

Y-coord/Lat 573394

Datum 27 Zone C

County REAGAN

Lease & Well No. UNIVERSITY 9 #2808H&ALL

Purpose ND

Location SUR-UL, BLK-9, SEC-28, -- [TD=7900] , [RRC 7C] ,

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 20 feet below the base of Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth of 625 feet.

This recommendation is applicable to all wells drilled in this section 28.

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).

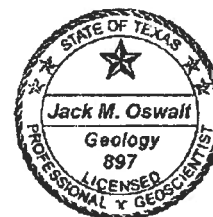
If you have any questions, please contact us at 512-463-2741, [gaau@rrc.state.tx.us](mailto:gaau@rrc.state.tx.us), or by mail.

Sincerely,

  
Digitally signed by Jack Oswalt  
DN: c=US, st=TEXAS, l=Austin,  
o=Railroad Commission of Texas,  
cn=Jack Oswalt,  
email=jack.oswalt@rrc.state.tx.us  
Date: 2012.05.18 13:05:15 -05'00'

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 5/18/2012  
Note: Alteration of this electronic document will invalidate the digital signature.