

RAILROAD COMMISSION OF TEXAS

Tracking No.: 71643

Oil and Gas Division

Status: Work in Progress

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

API No. 42- 383-38000

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) LIN (WOLFCAMP)		2. LEASE NAME UNIVERSITY 09B		9. Well No. 1103H	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) EOG RESOURCES, INC.		RRC Operator No. 253162		10. County of well site REAGAN	
4. ADDRESS ATTN PRODUCTION REGULATORY PO BOX 2267 MIDLAND, TX 79702-0000				11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> 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) 11 , 9 , UNIVERSITY LAND		6b. Distance and direction to nearest town in this county. 4.8 MILES NE OF TEXON			
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	
N/A					
13. Type of electric or other log run None		14. Completion or recompletion date 12/17/2012			

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	
					0		PSI	
20. Calculated 24-Hour Rate		Oil - BBLs	Gas - MCF	Water - BBLs	Oil Gravity-API-60°		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 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

04/18/2013

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 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 DATE 10/03/2012 PERMIT NO. 746918 Rule 37 Exception CASE NO.				
26. Notice of Intention to Drill this well was filed in Name of EOG RESOURCES, INC.					Water Injection Permit PERMIT NO.				
27. Number of producing wells on this lease in this field (reservoir) including this well 3			28. Total number of acres in this lease 524.15		Salt Water Disposal Permit PERMIT NO.				
29. Date Plug Back, Deepening, Workover or Drilling Operations: 11/01/2012		Commenced 12/17/2012		Completed 100.0		30. Distance to nearest well, Same Lease & Reservoir 100.0			
31. Location of well, relative to nearest lease boundaries 2218.0 Feet From South Line and 1430.0 Feet from West Line of the UNIVERSITY 09B Lease									
32. Elevation (DF, RKB, RT, GR ETC.) 2630 GR				33. Was directional survey made other than inclination (Form W-12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
34. Top of Pay 7963 MD:16910		35. Total Depth 7963 MD:16910		36. P. B. Depth 7963 MD:16910		37. Surface Casing Determined by Field Rules <input type="checkbox"/>		Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/> Dt. of Letter 08/20/2012	
38. Is well multiple completion? <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. FIELD & RESERVOIR N/A						GAS ID or OIL LEASE #		Oil-G Gas-G	
40. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools		41. Name of Drilling Contractor H&P				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.		
9 5/8	40.0	570		C 500	12 1/4	SURFACE	661.0		
5 1/2	17.0	16895		H 3460	8 3/4	1000' EST	5839.0		
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						
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	6819.0 MD: 6819.0								
DEAN	7640.0 MD: 7640.0								
WOLFCAMP	7817.0 MD: 7817.0								
REMARKS: KOP - 7390'									
WELL RECORD ONLY - WAITING ON COMPLETION Off Lease = true;									

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

Form W-15
Cementing Report

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
EOG Resources, Inc.	253162	7C	REAGAN
5. Field Name (Wildcat or Exactly as Shown on RRC Records)	6. API No.	7. Drilling Permit No.	
Lin (Wolfcamp)	42-383-38000	746918	
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
UNIVERSITY 9B			1103 H

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date		10/20/2012					
13. *Drilled Hole Size		12 250					
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)		9 625					
15. Top of Liner (ft)							
16. Setting Depth (ft)		570					
17. Number of Centralizers Used		5					
18. Hrs. Waiting on Cement Before Drill-Out		24+					
1st slurry	19. API Cement Used: No. of Sacks >	200					
	Class >	CLASS C					
	Additives >	SEE REMARKS					
2nd slurry	No. of Sacks >	100					
	Class >	CLASS C					
	Additives >	SEE REMARKS					
3rd slurry	No. of Sacks >	200					
	Class >	CLASS C					
	Additives >	SEE REMARKS					
1st	20. Slurry Pumped: Volume (cu.ft.) >	242.00					
	Height (ft) >	772.71					
2nd	Volume (cu.ft.) >	177.00					
	Height (ft) >	565.17					
3rd	Volume (cu.ft.) >	242.00					
	Height (ft) >	772.71					
Total	Volume (cu.ft.) >	661					
	Height (ft) >	2111					
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?		YES					

22. Remarks

CLASS C + 4% GEL + 2% CACL2 + 3# STAR-SEAL + 0.25% R-38

CLASS C + 0.7% C-43 + 0.25% R-38 + 3% SALT (BWOW)

CLASS C + 4% GEL + 2% CACL2 + 0.25% R-38

CIRCULATED 60BBLs 278SKS OF CEMENT TO SURFACE

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								

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.

THOMAS PERLEY

Name and Title of Cementer's Representative

RISING STAR SERVICES LP.

Cementing Company

Signature

P.O. BOX 61193 MIDLAND TX. 79711

Address City State Zip Code

(432) 617-0114

Tel: Area Code Number

OCTOBER 20, 2012

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

Typed or Printed Name of Operators Representative

Regulatory Analyst

Title

Signature

P.O. Box 2267, Midland, TX 79702

Address City State Zip Code

32-686-3684

Tel: Area Code Number

4/16/13

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-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 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) EOG RESOURCES INC	2. RRC Operator No. 253162	3. RRC District No. 7C	4. County of Well Site Reagan
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Lin (Wolfcamp)	6. API No. 42-383-38000	7. Drilling Permit No. 746918	
8. Lease Name University 09B	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. 1103H

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				12/16/2012			
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)				16895			
17. Number of centralizers used				142			
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ►			1060			
	Class ►			H			
	Additives ►			*			
2nd Slurry	No. of sacks ►			2400			
	Class ►			H			
	Additives ►			**			
3rd Slurry	No. of sacks ►						
	Class ►						
	Additives ►						
1st	20. Slurry pumped: Volume (cu.ft.) ►			2671			
	Height (ft.) ►			10574			
2nd	Volume (cu.ft.) ►			3168			
	Height (ft.) ►			12541			
3rd	Volume (cu.ft.) ►						
	Height (ft.) ►						
Total	Volume (cu.ft.) ►			5839			
	Height (ft.) ►			23115			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				NO			
22. Remarks * 8% BENTONNITE .15% SA-1015 .25LBM D-AIR 5000 .45% HR-601 ** HALAD .7% CFR-3 .3% FWCA .1% MICROBOND 5LBM POTASSIUM CHLORIDE 5% HR-601 .4%		Sales Order 900075662 Customer Name EOG RESOURCES INC EBUSINESS Lease University 09B Well Number 1103H Reagan County					

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.

RAYNARD Q NICKSON
Name and Title of Cementer's Representative

Halliburton Energy Services
Cementing Company

Raynard Q Nickson
Signature

6155 W MURPHY SY ODESSA TX 79763
Address City State, Zip Code

432-571-8600
Tel: Area Code Number

12/16/2011
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
Typed or Printed Name of Operator's Representative

Regulatory Analyst
Title

Renee' Jarratt
Signature

P.O. Box 2267, Midland, TX 797902
Address City, State, Zip Code

432-686-3684
Tel: Area Code Number

4/16/13
Date: Mo. Day Yr.

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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 **August 20, 2012**

GAU File No.: SC- **11041**

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

API Number **38300000**

Attention: **RENEE JARRATT**

RRC Lease No. **000000**

SC_253162_38300000_000000_11041.pdf

**EOG RESOURCES INC
P O BOX 2267
MIDLAND TX 79702**

--Measured--

1290 ft FEL

2218 ft FSL

MRL:SECTION

P-5# 253162

Digital Map Location:

X-coord/Long **1592064**

Y-coord/Lat **589099**

Datum **27** Zone **C**

County **REAGAN**

Lease & Well No. **UNIVERSITY 09 B #1101H&ALL**

Purpose **ND**

Location **SUR-UL,BLK-9,SEC-11,--[TD=8250],[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 a depth of 500 feet must be protected.

This recommendation is applicable to all wells drilled in this section 11.

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.

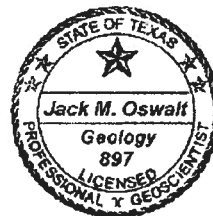
Sincerely,



Digitally signed by Jack Oswalt
DN: c=US, st=TEXAS, l=Austin, o=Railroad
Commission of Texas, cn=Jack Oswalt,
email=jack.oswalt@rrc.state.tx.us
Date: 2012.08.20 10:32:38 -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 8/20/2012
Note: Alteration of this electronic document will invalidate the digital signature.