

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION								FORM W - 3
Plugging Record						API NO. (if available) 42-003-39399		1. RRC District 08
FILE IN DUPLICATE WITH DISTRICT OFFICE OF DISTRICT IN WHICH WELL IS LOCATED WITHIN THIRTY DAYS AFTER PLUGGING								4. RRC Lease or Id. Number 37555
2. FIELD NAME (as per RRC Records) Andrews, South (Devonian)				3. Lease Name UNIVERSITY 1-26				5. Well Number 1H
6. OPERATOR EOG Resources, Inc.				8a. Original Form W-1 Filed in Name of: EOG Resources, Inc.				10. County ANDREWS
7. ADDRESS P.O. Box 2267 Midland TX				8b. Any Subsequent W-1's Filed in Name of:				11. Date Drilling Permit 11/17/04
9. Location of Well, Relative to Nearest Lease Boundaries of Lease on which this Well is located				660 Feet From East Line and 990 Feet From South Line of the University 1-26 Lease				12. Permit Number 553764
9a. SECTION, BLOCK, AND SURVEY Sec 26, BLK 1, UL				9b. Distance and Direction From Nearest Town in this County 10.1 miles Southeast from Andrews				13. Date Drilling Completed 12/14/04
16. TYPE WELL (OIL, GAS, DRY) Oil		Total Depth 11157 V		17. If Multiple Completion List All Field Names and Oil Lease or Gas ID No's		GAS ID or OIL LEASE #	OIL - O Gas - G	WELL #
18. If Gas, Amt. of Cond. on Hand at time of Plugging								
								14. Date Drilling Completed 1/31/05
								15. Date Well Plugged 11/13/12
CEMENTING TO PLUG AND ABANDON DATA:				PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
				PLUG #6	PLUG #7	PLUG #8	PLUG #9	PLUG #10
*19. Cementing Date				10/29/12	10/31/12	11/6/12	11/7/12	11/9/12
20. Size of Hole or Pipe in which Plug Placed (in.)				7"	7"	7"	7"	7"
21. Depth to Bottom of Tubing or Drill Pipe (ft.)								
*22. Sacks of Cement Used (each plug)				20	45	200	60	35
*23. Slurry Volume Plumped (cu. ft.)				26.6	59.85	266	78.5	46.55
*24. Calculated Top of Plug (ft.)				10346	9900	7810	6059	5643
25. Measured Top of Plug (if tagged) (ft.)								
*26. Slurry Wt. #/Gal.				14.8	14.8	14.8	14.8	14.8
*27. Type Cement				REMARKS#1	REMARKS#1	REMARKS#2	REMARKS#1	C+0.25%R38
28. CASING AND TUBING RECORD AFTER PLUGGING				REMARKS#1	REMARKS#1	REMARKS#2	REMARKS#1	C+0.25%R38
29. Was any Non - Drillable Material (Other than Casing) Left in This Well				REMARKS#1	REMARKS#1	REMARKS#2	REMARKS#1	C+0.25%R38
SIZE	WT. #/FT. PUT IN WELL (L)	LEFT IN WELL (L)	HOLE SIZE (in.)	29a. If answer to above is "Yes" state depth to top of "junk" left in hole and briefly describe non-drillable material. (Use Reverse Side of Form if more space is needed.)				
	13-3/8	446	17-1/2					
	9-5/8	5815	12-1/4					
	7	11040	8-3/4					
	4-1/2	10448 - 13915						
30. LIST ALL OPEN HOLD AND/OR PERFORATED INTERVALS								
FROM	11409	TO	13520	FROM		TO		
FROM		TO		FROM		TO		
FROM		TO		FROM		TO		
FROM		TO		FROM		TO		
FROM		TO		FROM		TO		

I have knowledge that the cementing operations, as reflected by the information found on this form, were performed as indicated by such information.

* Designates items to be completed by Cementing Company. Items not so designated shall be completed by Operator.

ERIC JUAREZ

Signature of Cementer or Authorized Representative

Rising Star Service, LP.

Name of Cementing Company

CERTIFICATE

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.

 Stan Wagner Reg Analyst
REPRESENTATIVE OF COMPANY TITLE

11/13/2012
DATE

Phone 432-686-3689
AC NUMBER

SIGNATURE: REPRESENTATIVE OF RAILROAD COMMISSION

31. Was Well filled with Mud - Laden Fluid, according to the regulations of the Railroad Commission <div style="text-align: right; font-weight: bold;">Yes</div>		32. How was Mud Applied? <div style="text-align: center; font-weight: bold;">Pump</div>		33. Mud Weight <div style="text-align: center; font-weight: bold;">9.5</div> <div style="text-align: right; font-size: small;">LBS/GAL</div>	
34. Total Depth 11157 TVD <div style="text-align: center; font-weight: bold;">13922 TMD</div>		Other Fresh Water Zones by T.D.W.R. <div style="display: flex; justify-content: space-around; font-size: small;"> TOP BOTTOM </div>		35. Have all Abandoned Wells on this Lease been Plugged according to R R C Rules? <div style="text-align: center; font-weight: bold;">Yes</div>	
Depth of Deepest Fresh Water 250				36. If NO, Explain	
1100 - 1550					
37. Name and Address of Cementing or Service company who mixed and pumped cement plugs in this well Rising Star Services, LP, 6106 Cargo Rd. Odessa, TX. 79762 (432) 617-0114					Date R R C District Office notified of plugging <div style="text-align: center; font-weight: bold;">10/28/12</div>
38. Name(s) and Address(es) of Surface Owners of Well Site <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div>					
39. Was Notice Given Before Plugging to the Above? <div style="border-bottom: 1px solid black; height: 15px;"></div>					
FILL IN BELOW FOR DRY HOLES ONLY					
40. For Dry Holes, this Form must be accompanied by either a Driller's, Electric, Radioactivity or Acoustical/Sonic Log or such Log must be released to a Commercial Log Service. <div style="display: flex; justify-content: space-between; font-size: small;"> <div> Log Attached Type Logs: </div> <div> Log released to _____ <div style="display: flex; justify-content: space-around; font-size: x-small;"> Driller's Electric Radioactivity Acoustical/Sonic </div> </div> <div> Date _____ </div> </div>					
41. Date FORM P-8 (Special Clearance) Filed? <div style="border-bottom: 1px solid black; height: 15px;"></div>					
42. Amount of Oil produced prior to Plugging _____ bbls* <small>* File FORM P-1 (Oil Production Report) for month this oil was produced</small>					
R R C USE ONLY					
Nearest Field _____					
REMARKS					
REMARKS#1 - CLASS C+0.1%C-20+0.6%C-35+0.25%R-38					
REMARKS#2 - 100SX CLASS C+0.1%C-20+0.6%C-35+0.25%R-38, 100SX CLASS C+0.05%C-20+0.5%C-35+0.25%R-38					
REMARKS#3 - 7" CASING 4650FT. , 9 5/8" CASING UNKNOWN.					
REMARKS#4 - 7" CASING SURFACE, 9 5/8 CASING SURFACE					
(PAGE					

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION						FORM W - 3	
						API NO. (if available) 42-003-39399	
FILE IN DUPLICATE WITH DISTRICT OFFICE OF DISTRICT IN WHICH WELL IS LOCATED WITHIN THIRTY DAYS AFTER PLUGGING						1. RRC District 08	
2. FIELD NAME (as per RRC Records) Andrews, South (Devonian)			3. Lease Name UNIVERSITY 1-26			4. RRC Lease or Id. Number 37555	
6. OPERATOR EOG Resources, Inc.			6a. Original Form W-1 Filed in Name of:			5. Well Number 1H	
7. ADDRESS			6b. Any Subsequent W-1's Filed in Name of:			10. County ANDREWS	
8. Location of Well, Relative to Nearest Lease Boundaries of Lease on which this Well is located			Feet From _____ Line and _____ Line of the _____ Lease			11. Date Drilling Permit 553764	
9a. SECTION, BLOCK, AND SURVEY			9b. Distance and Direction From Nearest Town in this County			13. Date Drilling	
16. TYPE WELL (OIL,GAS,DRY)		Total Depth	17. If Multiple Completion List All Field Names and Oil Lease or Gas ID No's		GAS ID or OIL LEASE #	Oil - O Gas - G	WELL #
18. If Gas, Amt. of Cond. on Hand at time of Plugging							
CEMENTING TO PLUG AND ABANDON DATA:			PLUG #9	PLUG #10			
*19. Cementing Date			11/12/12	11/13/12			
20. Size of Hole or Pipe in which Plug Placed (in.)							
21. Depth to Bottom of Tubing or Drill Pipe (ft.)							
*22. Sacks of Cement Used (each plug)			25	360			
*23. Slurry Volume Pumped (cu. ft.)			33.25	478.8			
*24. Calculated Top of Plug (ft.)			1433	REMARKS#4			
25. Measured Top of Plug (if tagged) (ft.)							
*26. Slurry Wt. #/Gal.			14.8	14.8			
*27. Type Cement			C+0.25%R38	C+0.25%R38			
28. CASING AND TUBING RECORD AFTER PLUGGING			29. Was any Non - Drillable Material (Other than Casing) Left in This Well				
SIZE WT. SHFT. PUT IN WELL (L.)			LEFT IN WELL (L.)	HOLE SIZE (in.)	29a. If answer to above is "Yes" state depth to top of "junk" left in hole and briefly describe non-drillable material.		
					(Use Reverse Side of Form if more space is needed.)		
30. LIST ALL OPEN HOLD AND/OR PERFORATED INTERVALS							
FROM		TO		FROM		TO	
FROM		TO		FROM		TO	
FROM		TO		FROM		TO	
FROM		TO		FROM		TO	
FROM		TO		FROM		TO	

I have knowledge that the cementing operations, as reflected by the information found on this form, were performed as indicated by such information.

* Designates items to be completed by Cementing Company. Items not so designated shall be completed by Operator.

ERIC JUAREZ

Signature of Owner or Authorized Representative

Rising Star Service, LP.

Name of Cementing Company

CERTIFICATE

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.

REPRESENTATIVE OF COMPANY

TITLE

11/13/2012

DATE _____

Phone

AIC

NUMBER

SIGNATURE: REPRESENTATIVE OF RAILROAD COMMISSION

31. Was Well filled with Mud - Laden Fluid, according to the regulations of the Railroad Commission		32. How was Mud Applied?	33. Mud Weight LBS/GAL
34. Total Depth	Other Fresh Water Zones by T.D.W.R. TOP BOTTOM		35. Have all Abandoned Wells on this Lease been Plugged according to R R C Rules?
Depth of Deepest Fresh Water			36. If NO, Explain
37. Name and Address of Cementing or Service company who mixed and pumped cement plugs in this well Rising Star Services, LP. 6106 Cargo Rd. Odessa, TX. 79762 (432) 617-0114			Date R R C District Office notified of plugging
38. Name(s) and Address(es) of Surface Owners of Well Site _____ _____ _____ _____			
38. Was Notice Given Before Plugging to the Above?			
FILL IN BELOW FOR DRY HOLES ONLY			
40. For Dry Holes, this Form must be accompanied by either a Driller's, Electric, Radioactivity or Acoustical/Sonic Log or such Log must be released to a Commercial Log Service.			
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">Log Attached</div> <div style="width: 40%;">Log released to _____</div> <div style="width: 20%;">Date _____</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 20%;">Type Logs:</div> <div style="width: 20%;">Driller's</div> <div style="width: 20%;">Electric</div> <div style="width: 20%;">Radioactivity</div> <div style="width: 20%;">Acoustical/Sonic</div> </div>			
41. Date FORM P-8 (Special Clearance) Filed?			
42. Amount of Oil produced prior to Plugging bbls* * File FORM P-1 (Oil Production Report) for month this oil was produced			
R R C USE ONLY			
Nearest Field _____			
REMARKS			
REMARKS#1 - CLASS C+0.1%C-20+0.6%C-35+0.25%R-38			
REMARKS#2 - 100SX CLASS C+0.1%C-20+0.6%C-35+0.25%R-38, 100SX CLASS C+0.05%C-20+0.5%C-35+0.25%R-38			
REMARKS#3 - 7" CASING 4650FT. , 9 5/8" CASING UNKNOWN.			
REMARKS#4 - 7" CASING SURFACE, 9 5/8 CASING SURFACE			
(PAGE			

Cementator: 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) EOG RESOURCES		2. RRC Operator No. 253162	3. RRC District No. 08	4. County of Well Site ANDREWS
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Andrews, South (Devonian)		6. API No. 42-003-39399		7. Drilling Permit No. 553764
8. Lease Name UNIVERSITY 1-26		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 37555	11. Well Number 1H

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date							
13. *Drilled Hole Size							
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)							
15. Top of Liner (ft)							
16. Setting Depth (ft)							
17. Number of Centralizers Used							
18. Hrs. Waiting on Cement Before Drill-Out							
1st slurry	19. API Cement Used: No. of Sacks >						
	Class >						
	Additives >						
2nd slurry	No. of Sacks >						
	Class >						
	Additives >						
3rd slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >						
	Height (ft) >						
2nd	Volume (cu.ft.) >						
	Height (ft) >						
3rd	Volume (cu.ft.) >						
	Height (ft) >						
Total	Volume (cu.ft.) >						
	Height (ft) >						
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?							
22. Remarks							
REMARKS#1 - CLASS C+0.1%C-20+0.6%C-35+0.25%R-38							
REMARKS#2 - 100SX CLASS C+0.1%C-20+0.6%C-35+0.25%R-38, 100SX CLASS C+0.05%C-20+0.5%C-35+0.25%R-38							
REMARKS#3 - 7" CASING 4650FT. , 9 5/8" CASING UNKNOWN.							
REMARKS#4 - 7" CASING SURFACE, 9 5/8 CASING SURFACE							

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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
24. Size of Hole or Pipe Plugged (in)	7"	7"	7"	7"	7"	7"	7"	7"
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Section Cemented (ft)								
27. Bulk Weight Cement (lb)								
28. Cementing Pressure (psi)								
29. Measured Top of Plug, If Tagged (ft)								
30. Plug Tag Number								
31. Tag Date								

CEMENTING CERTIFICATE

I, Stan Wagner, Regulatory Analyst, do hereby certify that the data and facts presented in this report are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

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.

Stan Wagner
Typed or Printed Name of Operators Representative

Regulatory Analyst
Title

Stan Wagner
Signature

P.O. Box 2267 Midland, TX 79702
Address City State Zip Code

432-686-3689
Tel: Area Code Number

11/28/12
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.

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) EOG RESOURCES		2. RRC Operator No. 253162	3. RRC District No. 08	4. County of Well Site ANDREWS
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Andrews, South (Dev onian)		6. API No. 42-003-39399		7. Drilling Permit No. 553764
8. Lease Name UNIVERSITY 1-26		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 37555	11. Well Number 1H

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date							
13. *Drilled Hole Size							
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)							
15. Top of Liner (ft)							
16. Setting Depth (ft)							
17. Number of Centralizers Used							
18. Hrs. Waiting on Cement Before Drill-Out							
1st slurry	19. API Cement Used: No. of Sacks >						
	Class >						
	Additives >						
2nd slurry	No. of Sacks >						
	Class >						
	Additives >						
3rd slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >						
	Height (ft) >						
2nd	Volume (cu.ft.) >						
	Height (ft) >						
3rd	Volume (cu.ft.) >						
	Height (ft) >						
Total	Volume (cu.ft.) >						
	Height (ft) >						
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?							
22. Remarks							
REMARKS#1 - CLASS C+0.1%C-20+0.6%C-35+0.25%R-38							
REMARKS#2 - 100SX CLASS C+0.1%C-20+0.6%C-35+0.25%R-38, 100SX CLASS C+0.05%C-20+0.5%C-35+0.25%R-38							
REMARKS#3 - 7" CASING 4650FT. , 9 5/8" CASING UNKNOWN.							
REMARKS#4 - 7" CASING SURFACE, 9 5/8 CASING SURFACE							

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CEMENTING TO PLUG AND ABANDON	PLUG #9	PLUG #10						
23. Cemented Depth								
24. Size of Hole or Pipe Plugged (in)	7"	7"						
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Depth of Cement Plug (ft)								
27. Slurry Volume (cu ft)								
28. Cement Weight (lb)								
29. Measured Top of Plug, If Tagged (ft)								
30. Slurry Volume (cu ft)								
31. Total Cement								

REGULATORY ANALYST CERTIFICATE

I, Stan Wagner, Regulatory Analyst, do hereby certify that the information furnished in this report is true and correct to the best of my knowledge and belief.

Stan Wagner Regulatory Analyst

P.O. Box 2267 Midland, TX 79702 Address

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.


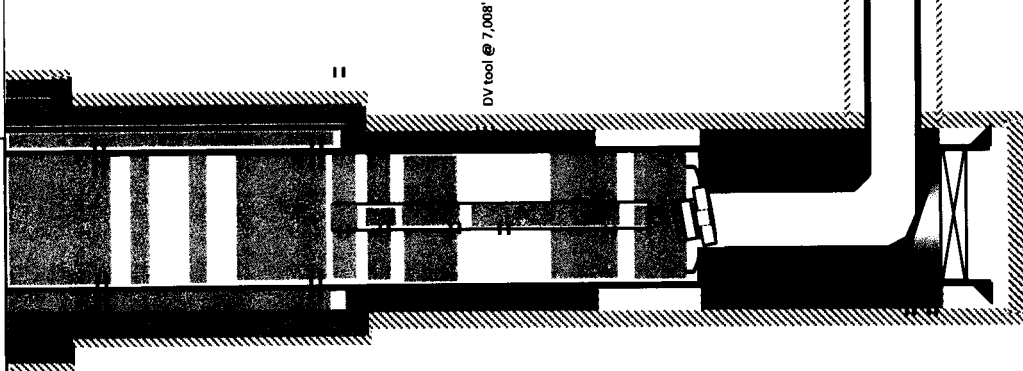
Stan Wagner Regulatory Analyst Stan Wagner
Typed or Printed Name of Operators Representative Title Signature
P.O. Box 2267 Midland, TX 79702 432-686-3689 11/28/12
Address City State Zip Code Tel: Area Code Number Date: Mo. Day Yr.

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-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 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.

FINAL P&A WELL SKETCH

DEPTH (Ⓢ)		MARKERS (KB)	LITHOLOGY	PERMIT: 553764 API: 42-003-39399 AFE: 105086 SPUD: 1/15/2004 FRR: 2/3/2005 RIG: Patterson / UTI #606	University 1-26 #1H Andrews, South (Devonian) Field Andrews County, TX	SURF: 990' FSL & 660' FEL LOC: Sec. 26, Blk 1 SURVEY: University Lands Property #: 042655-000 GL: 3,132' KB: 3,151' ZERO: 19' AGL										
250'	1,100'	1,550'	1,830'	3,100'	4,700'	4,900'	5,850'	6,630'	7,240'	8,150'	9,900'	10,050'	10,640'	10,740'	11,065'	11,945'
			Waterboard													
			Waterboard													
			Rustler													
			Yates													
			Greyburg													
			San Andres													
			Glorietta													
			Clearfork													
			Wichita Albany													
			Wolfcamp													
			Barnett Shale													
			Miss Ln													
			Woodford Shale													
			Devonian													
			Devonian 'B'													
			TD													

Surface csg @ 445'

Intermediate csg @ 5,815'
9-5/8" 40# NS-80 / J-55 LTC.

Production csg @ 11,040'

Engr: PNH

Date: 11/15/2012

Direction to Location:

From Andrews: Go South on Hwy 385 ~ 10 miles and turn right (W) through a black CG w/ white wings. Go 0.50 miles and turn right (N) and then 0.25 miles more. Turn Left (W) and go 0.25 miles and then right (N). Proceed 0.25 miles and then turn left (W) and go 0.8 miles to location. **From Odessa:** Drive North 15.5 miles from the intersection of Loop 338 and Hwy 385. Turn left (W) and go 0.25 miles to a CG, turn right (N) and go 0.25 miles. Turn left (W) and proceed 0.25 miles and then right (N). Go 0.1 miles and then left (W) 1.0 miles. Follow road to location.

Engr: PNH

Date: 11/15/2012

