

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

Form W-15  
Cementing Report  
Rev. 4/1/83  
HLBRTN1096

# RAILROAD COMMISSION OF TEXAS

## Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report) <b>Reliance Energy, Inc.</b>	2. RRC Operator No. <b>700995</b>	3. RRC District No. <b>08</b>	4. County of Well Site <b>Andrews</b>
5. Field Name (Wildcat or Exactly as Shown on RRC Records) <b>Spraberry (Trend Area)</b>	6. API No. <b>42-003-42706</b>	7. Drilling Permit No. <b>711099</b>	
8. Lease Name <b>Mabee 240A</b>	9. Rule 37 Case No. <b>40917</b>	10. Oil Lease/Gas ID No. <b>2005</b>	11. Well Number

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date		4/16/2011					
13. *Drilled Hole Size		<b>17 1/2"</b>					
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)		<b>13 3/8"</b>					
15. Top of Liner (ft)							
16. Setting Depth (ft)		<b>377'</b>					
17. Number of Centralizers Used		<b>3</b>					
18. Hrs. Waiting on Cement Before Drill-Out		<b>36</b>					
19. API Cement Used: No. of Sacks >	1st Slurry	375					
Class >		"C"					
Additives >		Remarks 1					
No. of Sacks >	2nd Slurry						
Class >							
Additives >							
No. of Sacks >	3rd Slurry						
Class >							
Additives >							
20. Slurry Pumped: Volume (cu.ft.) >	1st	503					
Height (ft) >		723					
Volume (cu.ft.) >	2nd						
Height (ft) >							
Volume (cu.ft.) >	3rd						
Height (ft) >							
Volume (cu.ft.) >		503					
Height (ft) >		723					
21. Was Cement Circulated to Ground Surface (or Bottom of Cellar) Outside Casing?		YES					
22. Remarks	<b>1 2% CaCl<sub>2</sub> + 1/8#/sk Celloflake</b>						
Circulated 110sks of cement to earth pit!! 26bbls slurry!!							

OVER ➔

Malu 240A #2005 (42-003-42706) Pg 2 of 2 (Surf Log)

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
Cementing Date								
Size of Hole or Pipe Plugged (in)								
Depth to Bottom of Tubing or Drill Pipe (ft)								
Sacks of Cement Used (each plug)								
Slurry Volume Pumped (cu.ft.)								
Calculated Top of Plug (ft)								
Measured Top of Plug, If Tagged (ft)								
Slurry Wt. (lbs/gal)								
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.

Robert J. Vega/Service Supervisor

Name and Title of Cementer's Representative

O-TEX PUMPING SERVICES

Cementing Company

Signature

511 East I-20

Midland, Texas 79706

432-686-8559

4/16/2011

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.

Sylvia Selkade  
Printed Name of Operators Representative

Eng. Svs Supv  
Title

Sylvia Selkade  
Signature

200 W. Illinois, Ste. 1200, Midland, Tx. 79701 (432)683-4816  
Address

Tel: Area Code Number

12-15-2011  
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), 3 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

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.

Where to file. The appropriate Commission District Office for the county in which the well is located.

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.

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. Centralizers must meet API specifications.

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.

Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 12 (b) (3) and (4).

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  
HLBRTN1096

# 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
<b>RELIANCE ENERGY, INC.</b>		<b>700995</b>	<b>08</b>	<b>ANDREWS</b>
5. Field Name (Wildcat or Exactly as Shown on RRC Records)		6. API No.	7. Drilling Permit No.	
<b>Spraberry (Trend Area)</b>		<b>42-003-42706</b>	<b>71109</b>	
8. Lease Name		9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
<b>MABEE 240 A</b>			<b>40917</b>	<b>2005</b>

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date						<b>4/26/2011</b>	<b>4/27/2011</b>
13. *Drilled Hole Size						<b>11"</b>	<b>11"</b>
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)						<b>8-5/8"</b>	<b>8-5/8"</b>
15. Top of Liner (ft)							
16. Setting Depth (ft)						<b>1850'</b>	<b>5554</b>
17. Number of Centralizers Used						<b>2</b>	<b>22</b>
18. Hrs. Waiting on Cement Before Drill-Out						<b>216</b>	<b>26</b>
1st Slurry	19. API Cement Used: No. of Sacks >					<b>400</b>	<b>800</b>
	Class >					CLASS C	CLASS C
	Additives >					REMARK1	REMARK3
2nd Slurry	No. of Sacks >					<b>200</b>	
	Class >					CLASS C	
	Additives >					REMARK2	
3rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >					<b>980</b>	<b>1416</b>
	Height (ft) >					<b>3885</b>	<b>5570</b>
2nd	Volume (cu.ft.) >					<b>268</b>	
	Height (ft) >						<b>1054</b>
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >					<b>1248</b>	<b>1416</b>
	Height (ft) >					<b>4939</b>	<b>5570</b>
21. Was Cement Circulated to Ground Surface (or Bottom of Cellar) Outside Casing?						<b>NO</b>	<b>YES</b>

22. Remarks  
 1 10% Gel + 5% Salt + 1/8#/Sk Celloflake  
 2 1% CaCl<sub>2</sub>  
 3 4%Gel +5% Salt + 1/8#/SK Celloflake

TOC on shoe calc @ 8,140'  
 TOC on tool: Surf-Circ

OVER →

42-D13-42706 (as 202) W/Mar 20A #205 (After Csg)

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
13. Cementing Date								
14. Size of Hole or Pipe Plugged (in)								
15. Depth to Bottom of Tubing or Drill Pipe (ft)								
16. Sacks of Cement Used (each plug)								
17. Slurry Volume Pumped (cu.ft.)								
18. Calculated Top of Plug (ft)								
19. Measured Top of Plug, If Tagged (ft)								
20. Slurry Wt. (lbs/gal)								
21. 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.

LUIS RIOS / SERVICE SUPERVISOR  
Name and Title of Cementer's Representative

O-TEX PUMPING SERVICES  
Cementing Company

2611 East I-20  
Address

Midland, Texas 79706

City State Zip Code

432-686-8559

4/26/2011

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.

Sylvia Schkade  
Typed or Printed Name of Operators Representative

Eng. Svcs Supv.  
Title

500 W. Illinois, Ste. 1200, Midland, TX 79701  
Address

City State Zip Code

Tel: Area Code Number

12-15-2011  
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:

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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.

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# RAILROAD COMMISSION OF TEXAS

## Oil and Gas Division

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5. Field Name (Wildcat or Exactly as Shown on RRC Records) <b>Spraberry (Trend Area)</b>	6. API No. <b>42-003-4270x</b>	7. Drilling Permit No. <b>711099</b>	
8. Lease Name <b>Mabee 240A</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>40917</b>	11. Well Number <b>2005</b>

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING	MULTI-STAGE CEMENTING PROCESS		
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date				<b>5/11/2011</b>			
13. *Drilled Hole Size				<b>7-7/8"</b>			
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)				<b>5-1/2"</b>			
15. Top of Liner (ft)							
16. Setting Depth (ft)				<b>11950'</b>			
17. Number of Centralizers Used				<b>22</b>			
18. Hrs. Waiting on Cement Before Drill-Out				<b>+72</b>			
1 st Slurry	19. API Cement Used: No. of Sacks >			<b>300</b>			
	Class >			<b>H</b>			
	Additives >			Remarks #1			
2 nd Slurry	No. of Sacks >			<b>800</b>			
	Class >			<b>H</b>			
	Additives >			Remarks #2			
3 rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >			<b>1035</b>			
	Height (ft) >			<b>5974</b>			
2nd	Volume (cu.ft.) >			<b>960</b>			
	Height (ft) >			<b>5541</b>			
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >			<b>1995</b>			
	Height (ft) >			<b>11515</b>			
21. Was Cement Circulated to Ground Surface (or Bottom of Cellar) Outside Casing?				<b>No</b>			
22. Remarks	1 3% Gel + 3% SMS + 3/10% C-20 + 5#/Sk Kolseal + 1/4#/Sk Celloflake 2 7/10% C-18 + 3/10% C-37 + 2#/Sk Kolseal + 1/4#/Sk Celloflake + .05 % C-20						
<b>TDC calc @ 5901'; CBL est TDC @ 6,550'</b>							

OVER ➔

(42-103-42760) 4 value 240A #2005 (pg 2 of 2) Prod Csg

**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.

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**Michael Fuentes - Service Supervisor**  
Name and Title of Cementer's Representative

**O-TEX PUMPING SERVICES**

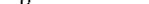
correct, and complete, to the best of my  
Mihai Frenck  
Signature

611 East I-20 Midland , Texas 79706 432-686-8559 5/11/2011  
Address City State Zip Code Tel: Area Code Number Date: Mo. Day Yr.

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Sylvia Beckyde  
typed or Printed Name of Operators Representative

Eng. 5113 Supv.

  
Dr. Anna Schubade  
Sinhemat

200 W. Illinois, Ste. 1200, Midland, TX 79701 (432) 683-4816  
Address City State Zip Code Tel: Area Code Number

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