



RAILROAD COMMISSION OF TEXAS

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Form W-15

Rev. 08/2014

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

CEMENTING REPORT

OPERATOR INFORMATION

Operator Name: Continental Resources	Operator P-5 No.: 173777
Cementer Name: Spinnaker Oilfield Services Co	Cementer P-5 No.: 809923

WELL INFORMATION

District No.: 08	County: Ward	
Well No.: 0601H	API No.: 42-475-38539	Drilling Permit No.: 888277
Lease Name: UTL	Lease No.: 0708A	
Field Name: Phantom (Wolfcamp)	Field No.: 71052900	

I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production		
Drilled hole size (in.): 17.5	Depth of drilled hole (ft.): 1074	Est. % wash-out or hole enlargement: 20
Size of casing in O.D. (in.): 13.375	Casing weight (lbs/ft) and grade: 54.5	No. of centralizers used: 0
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 1060	Top of liner (ft.): N/A
		Setting depth liner (ft.): N/A
Hrs. waiting on cement before drill-out: 24	Calculated top of cement (ft.): 0	Cementing date: 3-27-23

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	655	Class C	Extender, LCM,CC	1303.45	800
2	250	Class C		330	300
3					
Total	905			1633.45	1100

II. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings		
Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

III. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings		
Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth tool (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

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.

Derek Lish Supervisor
 Name and title of cementer's representative
 324 N Magnum Ind Rd
 Address
 Spinnaker Oilfield Services Co
 Cementing Company
 Hobbs, NM 88240
 City, State, Zip Code
 Signature
 405-345-9550
 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.

Jeremiah Smith Kasey Emirch, Regulatory Specialist
 Typed or printed name of operator's representative
 PO Bo 268870 OKC, OK
 Address
 Title
 73126
 City, State, Zip Code
 Signature
 Kasey Emirch
 Date: 02/07/2024
 Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

- 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. The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form 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.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.texas.gov/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission. To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). 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.
- Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



RAILROAD COMMISSION OF TEXAS

Form W-

1701 N. Congress

P.O. Box 12967

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CEMENTING REPORT

Operator Information

Operator Name: CONTINENTAL RESOURCES, INC. Cementer Name: SCHLUMBERGER TECHNOLOGY CORP.

Operator P-5 No: 173777 Cementer P-5 No: 754900
Address: ATTN: ROBERT SANDBO PO BOX 268870 Address: 300 SCHLUMBERGER DR MD 23 SUGAR LAND TX
OKLAHOMA CITY OK 73126 77478
Date: 03/12/2024 Date: 03/12/2024

Well Information

District No: 08 County: WARD
Well No: 0601H API No: 47538539 Drilling Permit No: 888277
Lease Name: UTL 0708A Field Name: PHANTOM (WOLFCAMP)

Lease No: N/A Field No: 71052900

Casing Cementing Data

Type of casing: Intermediate Cementing Date : 06/10/2023
Drilled hole size (in.): 8 3/4
Size of casing in O.D.(in): 7 Depth of drilled hole (ft.): 11168
Hrs. waiting on cement before drill-out: 24 No. of centralizers used : 0
Est. % wash-out or hole enlargement: 0 Top of liner (ft.): N/A
Calculated top of cement (ft.): 121 Setting depth liner (ft.) : N/A
Was cement circulated to ground surface (or bottom of cellar) Setting depth shoe (ft): 11168
outside casing? [No] Casing weight (lbs/ft) and grade: 20 P-110
Multiple parallel strings: No DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 1464 * Class: TXI * Additives: D049 + B697 + D013 + D020 + D130 + D208 + D042 + D177 * Volume (cu. ft.) 4128 * Height (ft.) 10055
Slurry # 2 * No. of Sacks: 184 * Class: C * Additives: D903 + D800 + D177 * Volume (cu. ft.) 245 * Height (ft.) 992

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- Bring cement to surface

Cementer Certification: 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.

Company Representative: HUGO MIRANDA Representative's Title: FIELD SPECIALIST
Phone Number: (346) 624-3868

Operator Certification: 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.

Operator Representative: Kasey Emrich Representative's Title: Regulatory Compliance Specialist
Phone Number: (405) 774-5743



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CEMENTING REPORT

Form W-15

Rev. 08/2014

Cementer: Fill in shaded areas.

Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: Continental, Operator P-5 No.: 173777, Cementer Name: Schlumberger, Cementer P-5 No.: 754900

WELL INFORMATION

Well information fields: District No., Well No., Lease Name, Field Name, County, API No., Drilling Permit No., Lease No., Field No.

I. CASING CEMENTING DATA

Casing cementing data fields: Type of casing, Drilled hole size, Depth of drilled hole, Est. % wash-out, Size of casing in O.D., Casing weight, No. of centralizers, Was cement circulated, Setting depth shoe, Top of liner, Setting depth liner, Hrs. waiting on cement, Calculated top of cement, Cementing date

SLURRY

Slurry table with columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)

II. CASING CEMENTING DATA

Casing cementing data fields for Section II: Type of casing, Drilled hole size, Depth of drilled hole, Est. % wash-out, Size of casing in O.D., Casing weight, No. of centralizers, Tapered string drilled hole size, Tapered string depth of drilled hole, Tapered string size of casing in O.D., Tapered string casing weight, Tapered string no. of centralizers used, Was cement circulated, Setting depth tool, Hrs. waiting on cement, Calculated top of cement, Cementing date

SLURRY

Slurry table for Section II with columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)

III. CASING CEMENTING DATA

Casing cementing data fields for Section III: Type of casing, Drilled hole size, Depth of drilled hole, Est. % wash-out, Size of casing in O.D., Casing weight, No. of centralizers, Tapered string drilled hole size, Tapered string depth of drilled hole, Tapered string size of casing in O.D., Tapered string casing weight, Tapered string no. of centralizers used, Was cement circulated, Setting depth tool, Hrs. waiting on cement, Calculated top of cement, Cementing date

SLURRY

Slurry table for Section III with columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)

Schlumberger-Private

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

#1: D909: 70620 lb; D132: 20350 lb; D065: 184 lb; D167: 279 lb; B389: 45 lb; D800: 364 lb;
 #2: D031: 17640 lb;
 #3:
 #4: 55bbl cement to surface

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.

<u>Omario Agudelo Jr, FS</u>	<u>Schlumberger</u>	<u>Omario Agudelo Jr</u>
Name and title of cementer's representative	Cementing Company	Signature
7104 W County Rd 116 Midland TX 79706	(432) 681-1100	June 23, 2023
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.

<u>Kasey Emrich</u>	<u>Regulatory Specialist</u>	<u>Kasey Emrich</u>
Typed or printed name of operator's representative	Title	Signature
20 N Broadway OKC, OK 73102	405-774-5743	06/11/2024
Address City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.

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- C. Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission. To plug and abandon a well, operators must use only cements approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). 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.
- D. Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
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- G. Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.