



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved  
Date: 03/11/2020  
Tracking No.: 226881

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	SABLE PERMIAN RESOURCES, LLC	Operator	742251
Operator	700 MILAM STREET SUITE 3100 HOUSTON, TX 77002-0000		

WELL INFORMATION			
API	42-383-40619	County:	REAGAN
Well No.:	33HK	RRC District	7C
Lease	UNIVERSITY OWENS 1-6 ALLOC 33	Field	LIN (WOLFCAMP)
RRC Lease	20520	Field No.:	53613750
Location	Section: 235, Block: 1, Survey: T&P RR CO, Abstract: 576		
Latitude		Longitud	
This well is	8.43	miles in a	NW
direction from	BARNHART,		
which is the nearest town in the			

FILING INFORMATION			
Purpose of	Initial Potential		
Type of	Other/Recompletion		
Well Type:	Producing	Completion or Recompletion	09/27/2019
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or	05/09/2019	852545	
Rule 37 Exception			
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	05/09/2019	Date of first production after rig	09/27/2019
Date plug back, deepening, drilling operation	08/01/2019	Date plug back, deepening, recompletion, drilling operation	08/14/2019
Number of producing wells on this lease this field (reservoir) including this	10	Distance to nearest well in lease & reservoir	499.0
Total number of acres in	839.44	Elevation	2702 GL
Total depth TVD	7342	Total depth MD	17370
Plug back depth TVD	7307	Plug back depth MD	17340
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	131.2 Yes
Recompletion or	Yes	Multiple	No
Type(s) of electric or other log(s)	Gamma Ray (MWD)		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	745.0 Feet from the	South Line and	Off Lease : Yes
	610.0 Feet from the	East Line of the	
	UNIVERSITY OWENS 1-6 ALLOC 33 Lease.		

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
W2:	N/A		

PACKET:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	850.0	Date 02/01/2019
SWR 13 Exception	Depth		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION				
Date of	10/01/2019		Production	Gas Lift
Number of hours	24		Choke	128
Was swab used during this	No		Oil produced prior to	3337.00
PRODUCTION DURING TEST PERIOD:				
Oil	1539.00		Gas	1406
Gas - Oil	913		Flowing Tubing	1085.00
Water	3090			
CALCULATED 24-HOUR RATE				
Oil	1539.0		Gas	1406
Oil Gravity - API - 60.:	39.5		Casing	252.00
Water	3090			

CASING RECORD												
		Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC	
Ro	Type of Casing	Size (in.)	Size	Depth	Stage	Tool Stage	Shoe	Class	Amoun	Volume (cu. (ft.))	Determined By	
1	Surface	13 3/8	17 1/2	958				CLASS C	895	1336.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	6703				PREM PLUS	1035	1406.0	2422	Calculation
3	Intermediate	9 5/8	12 1/4	6703		2422		PREM PLUS/POZ MIX	1005	1367.0	0	Circulated to Surface
4	Conventional Production	5 1/2	8 3/4	17365				CLASS H	2575	4921.0	0	Circulated to Surface

LINER RECORD									
Ro	Liner Size	Hole Size	Liner Top	Liner Bottom	Cement Class	Cement Amoun	Slurry Volume (cu.)	Top of Cement (ft.)	TOC Determined
N/A									

TUBING RECORD			
Ro	Size (in.)	Depth	Size (ft.)
1	2 7/8	7115	Packer Depth (ft.)/Type 7094 / AS1-X

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Ro	Open hole?	From (ft.)	To (ft.)
1	No	L1 7639	17284.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		Yes	
Is well equipped with a downhole sleeve? Yes		If yes, actuation pressure	8500.0
Production casing test pressure (PSIG) hydraulic fracturing 8500		Actual maximum pressure (PSIG) during fracturin 8436	
Has the hydraulic fracturing fluid disclosure been		Yes	
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
1	Fracture	SEE FRAC FOCUS	7639 17284

FORMATION RECORD					
<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
QUEEN	Yes	1754.0	1765.0	Yes	ESTIMATED
GRAYBURG	Yes	1974.0	1985.0	Yes	LOGGED MWD GR
SAN ANDRES	Yes	2174.0	2185.0	Yes	ESTIMATED
SPRABERRY	Yes	5011.0	5118.0	Yes	LOGGED MWD GR
JO-MILL	Yes	5824.0	5931.0	Yes	LOGGED MWD GR
DEAN	Yes	6332.0	6439.0	Yes	LOGGED MWD GR
TOP WOLFCAMP	Yes	6451.0	6558.0	Yes	LOGGED MWD GR
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm					No
Is the completion being downhole commingled					No
REMARKS					

RRC REMARKS	
<b>PUBLIC COMMENTS:</b> [RRC Staff 2020-03-10 15:39:23.297] EDL=9600 feet, max acres=380, LIN (WOLFCAMP) oil or gas well;  take points: 7639-17284 feet	
<b>CASING RECORD :</b>	
<b>TUBING RECORD:</b>	
<b>PRODUCING/INJECTION/DISPOSAL INTERVAL :</b>	
<b>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</b>	
<b>POTENTIAL TEST DATA:</b>	

OPERATOR'S CERTIFICATION			
Printed	Brenda Hoffman	Title:	Senior Regulatory Specialist
Telephone	(713) 579-8049	Date	01/31/2020



## RAILROAD COMMISSION OF TEXAS

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

## Form W-15

Rev. 08/2014

## CEMENTING REPORT

Cementer: Fill in  
Operator: Fill in other

OPERATOR INFORMATION					
Operator Name: Sable Permian Resources LLC			Operator P-5 No.: 742251		
Cementer Name: Crest Pumping Technologies			Cementer P-5 No.: 189898		
WELL INFORMATION					
District No.: 7 C			County: <del>D&amp;X</del> REAGAN		
Well No.: 33HK			API No.: 42-383-40619		Drilling Permit No.: 852545
Lease Name: University Owens 6-1 VPad			Lease No.:		
Field Name: LIN (WOLFCAMP)			Field No.: 53613750		
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 1/2"		Depth of drilled hole (ft.): 961'		Est. % wash-out or hole enlargement: 20	
Size of casing in O.D. (in.): 13 3/8"		Casing weight (lbs/ft) and grade: 54.5#/J-55		No. of centralizers used: 7	
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.): 958'		Top of liner (ft.):
					Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 7		Calculated top of cement (ft.): 0'		Cementing date: 05/11/2019	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	520	Class C	See Remarks	837	1,205
2	375	Class C	See Remarks	499	718
Total	895			1,336	1,923
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 If no for surface casing, explain in Remarks.				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.)
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 If no for surface casing, explain in Remarks.				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.)
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							

0.3 gal/bbl Plexgel 907,  
 3 lbw Sodium Chloride, 6 % Bentonite Gel, 0.4 % CPT-503P, 0.5 lbs/sk Cellophane Flake,  
 0.5 lbs/sk Cellophane Flake,

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.

Clayton Greene/Cementer	Crest Pumping Technologies	<i>Clayton Greene</i>
Name and title of cementer's representative	Cementing Company	Signature
P.O. Box 117 Jacksboro, TX 76458	940-567-3392	05/11/2019
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 well data only.

Jonathan Rebenack	Senior Drilling Engineer	<i>Jonathan Rebenack</i>
Typed or printed name of operator's representative	Title	Signature
700 Milam Street, Suite 3100	Houston, TX 77002-0000	713-579-8111
Address City, State, Zip Code	Tel: Area Code Number	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.

**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.

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.

**B. 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.state.tx.us/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).

**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/readtacSext.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/readtacSext.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. and Multi-stage cement shoe. The operator must

**F. 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.

**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.

**RAILROAD COMMISSION OF TEXAS**

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Austin, Texas 78701-2967

**Form W-15**

Rev. 08/2014

**CEMENTING REPORT**

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

OPERATOR INFORMATION	
Operator Name: SABLE PERMIAN RESOURCES OPERATING LLC-EBUS	Operator P-5 No.: 742251
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION	
District No.: 7 C	County: REAGAN
Well No.: 33HK	API No.: 42-383-40619
Lease Name: UNIVERSITY OWENS 1-6 ALLOC 33	Drilling Permit No.: 852545
Field Name: LIN (WOLFECAMP)	Lease No.:
	Field No.: 53613750

CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production					
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:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.			Setting depth shoe (ft.):		Top of liner (ft.):
			Setting depth liner (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	0			0	0

CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input checked="" type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.): 12 1/4"		Depth of drilled hole (ft.): 6703'		Est. % wash-out or hole enlargement: 20	
Size of casing in O.D. (in.): 9 5/8"		Casing weight (lbs/ft) and grade: 40.0# / K-55		No. of centralizers used: 56	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper:	Lower:	Upper:	Lower:		
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:		
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Setting depth shoe (ft.): 6703'	
Hrs. waiting on cement before drill-out: N/A		Calculated top of cement (ft.): 2422'		Cementing date: 6/28/2019	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	835	PREMIUM PLUS/POZMIX	REMARKS	1272	4059
2	100	PREMIUM PLUS	50% HR-800	134	317
3					
Total	1035			1406	4376

CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input checked="" type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.): 12 1/4"		Depth of drilled hole (ft.): 6703'		Est. % wash-out or hole enlargement: 20	
Size of casing in O.D. (in.): 9 5/8"		Casing weight (lbs/ft) and grade: 40.0# / K-55		No. of centralizers used: 56	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper:	Lower:	Upper:	Lower:		
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:		
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth tool (ft.): 2422'	
Hrs. waiting on cement before drill-out: 6		Calculated top of cement (ft.): 0'		Cementing date: 6/28/2019	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1005	PREMIUM PLUS/POZMIX	REMARKS	1367	4362
2					
3					
Total	1005			1367	4362

## CEMENTING TO SURFACE, 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

SHOE: 1ST: .40% HALAD-344, 1% CA-661, .025% SA-1015, .25 LBM D-AIR 5000, .65% HR-800, 3 LBM KOL SEAL, .25 LBM POLY E FLAKE. TOOL: 1ST: .40% HALAD-344, 1% CA-661, .025% SA-1015, .25 LBM D-AIR 5000, .50% HR-800, 3 LBM KOL SEAL, .25 LBM POLY E FLAKE. FROM TOOL WE CIRCULATED 90 BBL (372 SACKS) OF CEMENT, TO SURFACE. SO 905789495

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.

FELICIANO VALVERDE SS II

Halliburton

*Feliciano Valverde*

Name and title of cementer's representative  
1301 W. Webb St.

Cementing Company  
Brownfield, Tx, 79316

Signature  
575-392-0700

6/28/2019

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.

Jonathan Rebenack

Senior Drilling Engineer

*Jonathan Rebenack*  
Jonathan Rebenack (Oct 24, 2019)

Typed or printed name of operator's representative

Title

Signature

700 Milam Street, Suite 3100

Houston, TX

77002-0000

713-579-8111

Oct 24, 2019

Address City, State, Zip Code Tel: Area Code Number 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.state.tx.us/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&ir=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&ir=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

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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: SABLE PERMIAN RESOURCES, LLC			Operator P-S No.: 742251		
Cementer Name: HALLIBURTON ENERGY SERVICES			Cementer P-S No.: 347151		
WELL INFORMATION					
District No.: 7 C			County: REAGAN		
Well No.: 33HK			API No.: 42-383-40619		Drilling Permit No.: 852545
Lease Name: UNIVERSITY OWENS 1-8ALLOG 33			Lease No.:		
Field Name: LIN (WOLFCAMP)			Field No.: 53613750		
I. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production					
Drilled hole size (in.): 8 3/4"		Depth of drilled hole (ft.): 17370'		Est. % wash-out or hole enlargement: 20	
Size of casing in O.D. (in.): 5 1/2"		Casing weight (lbs/ft) and grade: 17.0#/ RYP-110		No. of centralizers used: 317	
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.): 17365'	
				Top of liner (ft.):	
				Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out: N/A		Calculated top of cement (ft.): 0'		Cementing date: 07-08-2019	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	285	H	NEOCEM	867	2644
2	615	H	NEOCEM	1437	5689
3	1676	H	NEOCEM	2817	11133
Total	2575			4921	18466
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.)		Tapered string depth of drilled hole (ft.)			
Upper:		Upper:		Lower:	
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:		Upper:		Upper:	
Lower:		Lower:		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.)		Tapered string depth of drilled hole (ft.)			
Upper:		Upper:		Lower:	
Lower:		Lower:		Lower:	
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:		Upper:		Upper:	
Lower:		Lower:		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 SURFACE, 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
CIRCULATED 43 SACKS, 103 SACKS 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 plugging 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.

ERIC GATLIN SERVICE SUPERVISOR

Halliburton

Name and title of cementer's representative  
6155 W. Murphy St.

Cementing Company  
Odessa, TX, 79763

Signature  
432-571-8600

07-08-2019

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.

Jonathan Rebenack

Senior Drilling Engineer

Signature  
Jonathan Rebenack (Oct 21, 2019)

Typed or printed name of operator's representative

Title

Signature

700 Milam St., Suite 3100

Houston, TX

77002-0000

713-579-8111

Oct 21, 2019

Address City, State, Zip Code Tel: Area Code Number 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.state.tx.us/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\\_loc=&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_loc=&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.

Tracking No.: 226881

This facsimile L-1 was generated electronically from data submitted to the RRC.

## Instructions

**When to File Form L-1:**

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

**When is Form L-1 NOT required:**

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

**Where to File Form L-1:**

- with the appropriate Commission district office

**Filling out Form L-1:**

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

**Type of log required:**

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

## SECTION I. IDENTIFICATION

Operator Name: SABLE PERMIAN RESOURCES, LLC	District No. 7C	Completion Date: 09/27/2019
Field Name LIN (WOLFCAMP)	Drilling Permit No. 852545	
Lease Name UNIVERSITY OWENS 1-6 ALLOC 33	Lease/ID No. 20520	Well No. 33HK
County REAGAN	API No. 42- 383-40619	

## SECTION II. LOG STATUS (Complete either A or B)

☐ A. BASIC ELECTRIC LOG NOT RUN

☒ B. BASIC ELECTRIC LOG RUN. (Select one)

- ☒ 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- ☐ 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- ☐ 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- ☐ 4. Log attached to (select one):

☐ (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: \_\_\_\_\_

Check here if attached log is being submitted after being held confidential. ☐

☐ (b) Form P-7, Application for Discovery Allowable and New Field Designation.

☐ (c) Form W-4, Application for Multiple Completion:

Lease or ID No(s). \_\_\_\_\_

Well No(s). \_\_\_\_\_

Brenda Hoffman

Signature

SABLE PERMIAN RESOURCES, LLC

Name (print)

Senior Regulatory Specialist

Title

(713) 579-8049

Phone

12/10/2019

Date

-FOR RAILROAD COMMISSION USE ONLY-



Gamma Ray Curve And Lateral

Job #: 198135 Well ID: 852545  
Scale: 2" = 100 ft Type: MD

Well Site Information

Dil Company	Sable Permian Resources
Surface Location	Sec 235 V Pad
Well Name	University Owens 1-6 Alloc 33 #33HK
API	42383406190000
Field	Permian
State	Texas
Country	United States of America

Surface Coordinates

Well Type	Lateral
Latitude	31° 9' 44 N
Longitude	101° 18' 8 W
N / S Coordinates	545,233.17 usft
E / W Coordinates	1,696,938.77 usft
Azimuth Reference	True North
Grid Convergence	-0.50°

MWD Engineers

Lead Hand	R. Williams
Second Hand	M. Martin

Perm Datum	Mean Sea Level	Elevation	2,702.00 ft		
Log depth measured from KB is	31.00 ft	above perm datum.	KB = 2,733.00 ft		
Total Depth	17,370.00 ft	Spud Date	Jun/22/2019	End Date	Jul/06/2019
MD) Log Interval		Start Depth	863.47 ft	End Depth	17,370.07 ft

Core Hole Record

Hole Size	From	To
12.25 in	961.00 ft	6,715.00 ft
8.75 in	6,715.00 ft	17,370.00 ft

Casing Record

Type	Size	WGT	From	To
Surface	9.63 in	40.00 ppf	0.00 ft	6,715.00 ft
Production	5.50 in	17.00 ppf	0.00 ft	17,370.00 ft

Run Data									
Bit Run Number	1	2	3	4	5				
Start Date & Time	Jun/22/2019 00:00:00	Jun/24/2019 11:00:00	Jun/27/2019 00:30:00	Jun/29/2019 04:30:00	Jun/30/2019 19:30:00				
End Date & Time	Jun/24/2019 09:00:00	Jun/26/2019 23:00:00	Jun/27/2019 23:00:00	Jun/30/2019 17:30:00	Jul/03/2019 15:30:00				
Run Hours	57.00	60.50	12.50	37.00	68.00				
Depth In	961.00 ft	3,414.00 ft	5,802.00 ft	6,715.00 ft	7,700.00 ft				
Depth Out	3,414.00 ft	5,802.00 ft	6,715.00 ft	7,700.00 ft	14,977.00 ft				
Total Gamma Correction	9.71	9.71	9.71	5.88	5.86				
Gamma to Bit	51.35 ft	62.96 ft	53.00 ft	44.39 ft	53.96 ft				
Resistivity to Bit	N/A	N/A	N/A	N/A	N/A				
Mud Type	OBM	OBM	OBM	OBM	OBM				
Density	10.10 ppg	10.10 ppg	10.20 ppg	10.00 ppg	10.50 ppg				
Viscosity	58.00 sec/qt	61.00 sec/qt	60.00 sec/qt	54.00 sec/qt	62.00 sec/qt				
PH	N/A	N/A	N/A	N/A	N/A				
Fluid Loss	N/A	N/A	N/A	N/A	N/A				
K+ ppm	N/A	N/A	N/A	N/A	N/A				
CL- ppm	62,000.00 mg/L	58,000.00 mg/L	71,000.00 mg/L	65,000.00 mg/L	6,6000.00 mg/L				
Max Mud Temp	149.00 °F	162.00 °F	150.00 °F	137.00 °F	205.00 °F				
Mud Report Depth	3,414.00 ft	5,802.00 ft	6,715.00 ft	7,470.00 ft	14,977.00 ft				

CERTIFICATE OF COMPLIANCE  
AND TRANSPORTATION AUTHORITY

P-4

This facsimile P-4 was generated electronically from data submitted to the RRC.  
A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 226881

1. Field name exactly as shown on proration schedule <b>LIN (WOLFCAMP)</b>		2. Lease name as shown on proration schedule <b>UNIVERSITY OWENS 1-6 ALLOC 33</b>							
3. Current operator name exactly as shown on P-5 Organization Report <b>SABLE PERMIAN RESOURCES, LLC</b>		4. Operator P-5 no. <b>742251</b>	5. Oil Lse/Gas ID no <b>20520</b>	6. County <b>REAGAN</b>	7. RRC district <b>7C</b>				
8. Operator address including city, state, and zip code <b>700 MILAM STREET SUITE 3100 HOUSTON, TX 77002</b>		9. Well no(s) (see instruction E) <b>33HK</b>			11. Effective Date <b>09/27/2019</b>				
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)							
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) <b>a. Change of:</b> <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____ <b>OR</b> <b>b. New RRC Number for:</b> <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <b>Due to:</b> <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)									
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).									
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (Attach an additional sheet in same format if more space is needed)			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream		
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).									
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (Attach an additional sheet in same format if more space is needed)						Percent of Take			
<b>MEDALLION OPERATING COMPANY, LLC(558336)</b>						<b>100.0</b>			
<b>RRC USE ONLY:</b> Reviewer's initials: <u>RRC Staff</u> Approval date: <u>03/11/2020</u>									
<b>15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING.</b> Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.  <table style="width:100%;"><tr><td style="width:50%; vertical-align: top;">Name of Previous Operator _____ Name (print) _____ Title _____</td><td style="width:50%; vertical-align: top;">Signature _____ <input type="checkbox"/> <b>Authorized Employee of previous operator</b> _____ Date _____ <input type="checkbox"/> <b>Authorized agent of previous operator (see instruction G)</b> _____ Phone with area code _____</td></tr></table>								Name of Previous Operator _____ Name (print) _____ Title _____	Signature _____ <input type="checkbox"/> <b>Authorized Employee of previous operator</b> _____ Date _____ <input type="checkbox"/> <b>Authorized agent of previous operator (see instruction G)</b> _____ Phone with area code _____
Name of Previous Operator _____ Name (print) _____ Title _____	Signature _____ <input type="checkbox"/> <b>Authorized Employee of previous operator</b> _____ Date _____ <input type="checkbox"/> <b>Authorized agent of previous operator (see instruction G)</b> _____ Phone with area code _____								
<b>16. CURRENT OPERATOR CERTIFICATION.</b> By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.  <table style="width:100%;"><tr><td style="width:50%; vertical-align: top;">Name (print) <u>SABLE PERMIAN RESOURCES, LLC</u> <u>Senior Regulatory Specialist</u> Title <u>bhoffman@sableres.com</u> E-mail Address (optional) _____</td><td style="width:50%; vertical-align: top;">Signature <u>Brenda Hoffman</u> <input checked="" type="checkbox"/> <b>Authorized Employee of current operator</b> <u>12/10/2019</u> Date _____ <input type="checkbox"/> <b>Authorized agent of current operator (see instruction G)</b> <u>(713) 579-8049</u> Phone with area code _____</td></tr></table>								Name (print) <u>SABLE PERMIAN RESOURCES, LLC</u> <u>Senior Regulatory Specialist</u> Title <u>bhoffman@sableres.com</u> E-mail Address (optional) _____	Signature <u>Brenda Hoffman</u> <input checked="" type="checkbox"/> <b>Authorized Employee of current operator</b> <u>12/10/2019</u> Date _____ <input type="checkbox"/> <b>Authorized agent of current operator (see instruction G)</b> <u>(713) 579-8049</u> Phone with area code _____
Name (print) <u>SABLE PERMIAN RESOURCES, LLC</u> <u>Senior Regulatory Specialist</u> Title <u>bhoffman@sableres.com</u> E-mail Address (optional) _____	Signature <u>Brenda Hoffman</u> <input checked="" type="checkbox"/> <b>Authorized Employee of current operator</b> <u>12/10/2019</u> Date _____ <input type="checkbox"/> <b>Authorized agent of current operator (see instruction G)</b> <u>(713) 579-8049</u> Phone with area code _____								



## Form P-16

Page 1

## Acreage Designation

SECTION I. OPERATOR INFORMATION			
Operator Name:	SABLE PERMIAN RESOURCES, LLC	Operator P-5 No.:	742251
Operator Address:	700 MILAM SUITE 3100, HOUSTON, TX 77002		

SECTION II. WELL INFORMATION				
District No.:	7C	API No.:	383-40619	<b>Purpose of Filing:</b>  <input type="checkbox"/> Drilling Permit Application (Form W-1)  <input checked="" type="checkbox"/> Completion Report (Form G-1/W-2)
Well No.:	33HK	Drilling Permit No.:	852545	
Lease Name:	UNIVERSITY OWENS 1-6 ALLOC 33	RRC ID or Lease No.:		
Total Lease Acres:	839.440	Field Name:	LIN (WOLFCAMP)	
Proration Acres:	164.855	Field No.:	53613750	
Wellbore Profile	Allocation Well	Is this a UFT field?	Yes	
SL Record (Parent) Well Drilling Permit No.:		County:	REAGAN	

[illegible]

C. Total Assigned Acreage	=	
Total Remaining Acreage	=	

--

to make this

(include email address *only* if you affirmatively consent to its public release)

Date: 02/07/20 mo. day yr.



# RAILROAD COMMISSION OF TEXAS

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

Form P-16

Page 2

Rev. 09/2019

## Acreage Designation

Filer is the owner or lessee of all or an undivided portion of the minerals under each tract listed below and has the legal right to drill on each tract traversed by the well that will have perforations or other take points open in the interval of the applied-for field(s). All tracts listed will actually be traversed by the wellbore or the filer has pooling authority or other contractual authority, such as a production sharing agreement, authorizing inclusion of the non-drill site tract in the acreage assigned to the well.

SECTION V. LISTING OF ALL TRACTS CONTRIBUTING ACREAGE TO AN RRC DESIGNATED DEVELOPMENTAL UNIT THAT IS NOT A SINGLE LEASE, POOLED UNIT, OR GROUP OF TRACTS UNITIZED BY CONTRACT FOR PURPOSES OF SECONDARY RECOVERY						
RRC ID No., Lease No. or Tract ID		Lease Name	Beginning Lease Acres	Allocated Lease Acres	Ending Lease Acres	Operator Name and Operator No. (if different from filing operator)
A	TRACT 1	TRACT 1	669.730	80.000	589.730	
B	TRACT 4	TRACT 4	169.710	84.855	84.855	
C						
D						
E						
F						
G						
H						
Total Acreage =			839.440	164.855	674.585	

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

[illegible]

\* A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V.  
(refer to instructions)

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 01 February 2019**GAU Number:** 230493**Attention:** SABLE PERMIAN RESOURCES  
700 MILAM STREET SUITE  
HOUSTON, TX 77002**API Number:** 38340518  
**County:** REAGAN  
**Lease Name:** SECTION 235-220 ALLOC 06**Operator No.:** 742252**Lease Number:**  
**Well Number:** 11HS  
**Total Vertical Depth:** 7500  
**Latitude:** 31.160934  
**Longitude:** -101.307672  
**Datum:** NAD27**Purpose:** New Production Well**Location:** Survey-T&P RR CO ; Abstract-576; Block-1; Section-235

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The interval from the land surface to the base of the Santa Rosa, which is estimated to occur at a depth of 850 feet, must be protected.

This recommendation is applicable for all wells drilled in this Section 235.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 01/29/2019. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov  
Rev. 02/2014

NAD 27, Central Zone 4203

Surface Hole Location (Sec. 235)  
Latitude = 31.162229° N  
Longitude = 101.302296° W  
X = 1696938.77  
Y = 545233.17  
Elev. = 2702'  
745' FSL & 610' FEL

Point of Penetration (Sec. 6)  
Latitude = 31.160081° N  
Longitude = 101.303416° W  
X = 1696581.81  
Y = 544455.04  
42' FNL & 4535' FEL

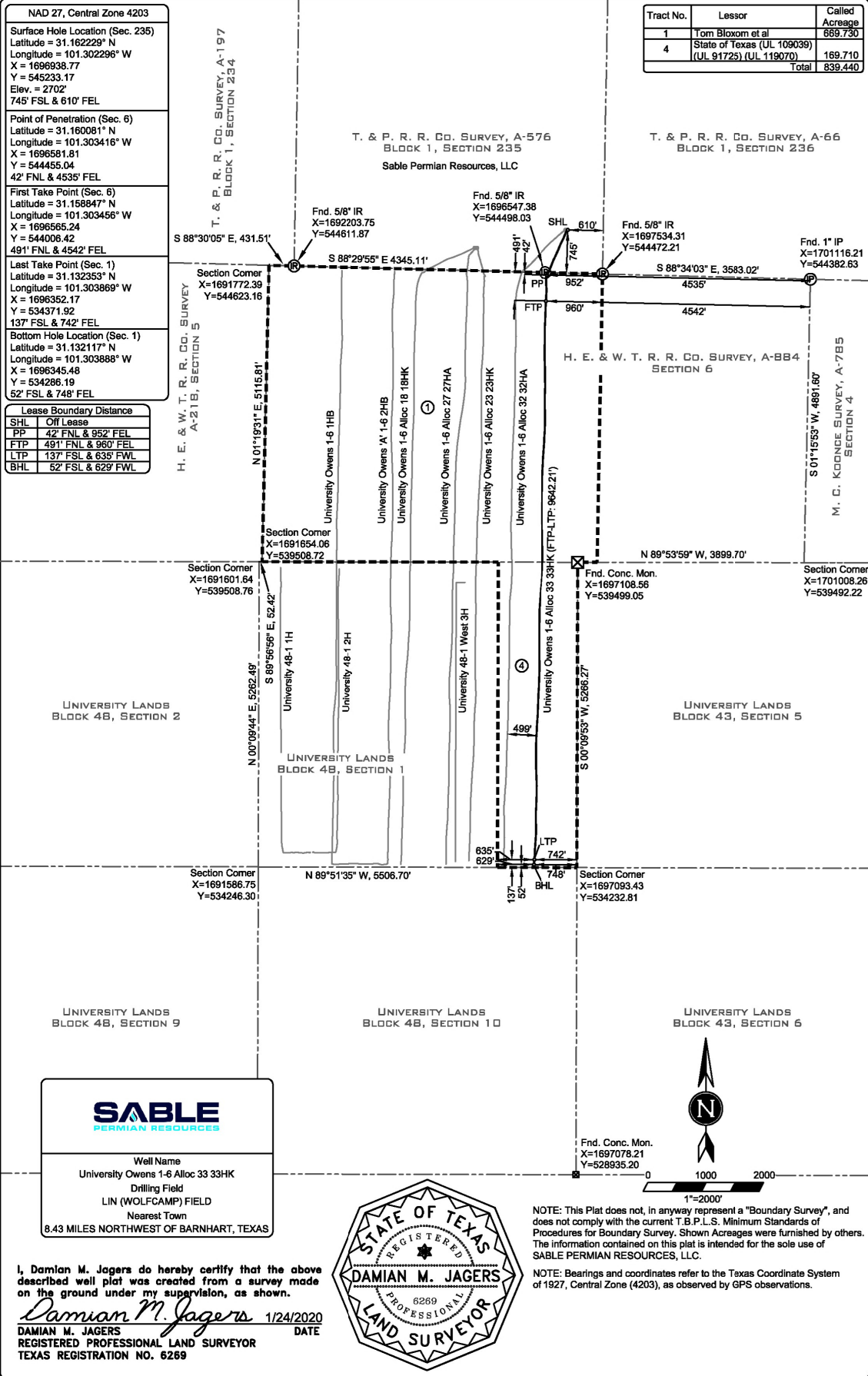
First Take Point (Sec. 6)  
Latitude = 31.158847° N  
Longitude = 101.303456° W  
X = 1696565.24  
Y = 544006.42  
491' FNL & 4542' FEL

Last Take Point (Sec. 1)  
Latitude = 31.132353° N  
Longitude = 101.303869° W  
X = 1696352.17  
Y = 534371.92  
137' FSL & 742' FEL

Bottom Hole Location (Sec. 1)  
Latitude = 31.132117° N  
Longitude = 101.303888° W  
X = 1696345.48  
Y = 534286.19  
52' FSL & 748' FEL

Lease Boundary Distance	
SHL	Off Lease
PP	42' FNL & 952' FEL
FTP	491' FNL & 960' FEL
LTP	137' FSL & 635' FWL
BHL	52' FSL & 629' FWL

Tract No.	Lessor	Called Acreage
1	Tom Bloxom et al	689.730
4	State of Texas (UL 109039) (UL 91725) (UL 119070)	169.710
Total		859.440



As-Drilled Well Plat  
for  
Sable Permian Resources, LLC

University Owens 1-6 Alloc 33 33HK  
T. & P. R. R. Co. Survey, A-576 // Block 1, Sec. 235  
H. E. & W. T. R. R. Co. Survey, A-884 // Section 6  
University Lands Block 48, Section 1  
Reagan County, Texas