



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 01/30/2020
Tracking No.: 224033

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: SABLE PERMIAN RESOURCES, LLC
Operator No.: 742251
Operator Address: 700 MILAM STREET SUITE 3100 HOUSTON, TX 77002-0000

WELL INFORMATION

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

FILING INFORMATION

Purpose of filing: Well Record Only
Type of completion: New Well
Well Type: Shut-In Producer
Completion or Recompletion Date: 09/09/2019
Type of Permit
Date
Permit No.
Permit to Drill, Plug Back, or Deepen
05/09/2019
852545
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 05/09/2019
Date of first production after rig released: 09/09/2019
Date plug back, deepening, recompletion, or drilling operation commenced: 05/09/2019
Date plug back, deepening, recompletion, or drilling operation ended: 09/09/2019
Number of producing wells on this lease in this field (reservoir) including this well: 6
Distance to nearest well in lease & reservoir (ft.): 499.0
Total number of acres in lease: 1324.31
Elevation (ft.): 2702 GL
Total depth TVD (ft.): 7342
Total depth MD (ft.): 17370
Plug back depth TVD (ft.): 7307
Plug back depth MD (ft.): 17340
Was directional survey made other than inclination (Form W-12)? Yes
Rotation time within surface casing (hours): 131.2
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No
Multiple completion? No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:
Location of well, relative to nearest lease boundaries
Off Lease : Yes
of lease on which this well is located: 610.0 Feet from the East Line and
745.0 Feet from the South 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 No.
Well No.
Prior Service Type

PACKET: N/A

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination		Depth (ft.): 850.0	Date: 02/01/2019
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of test:		Production method:
Number of hours tested: 24		Choke size:
Was swab used during this test? No		Oil produced prior to test:
PRODUCTION DURING TEST PERIOD:		
Oil (BBLs):		Gas (MCF):
Gas - Oil Ratio: 0		Flowing Tubing Pressure:
Water (BBLs):		
CALCULATED 24-HOUR RATE		
Oil (BBLs):		Gas (MCF):
Oil Gravity - API - 60.:		Casing Pressure:
Water (BBLs):		

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC 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									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

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

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	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 performed?		Yes	
Is well equipped with a downhole actuation sleeve?		Yes	
If yes, actuation pressure (PSIG):		8500.0	
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		8500	
Actual maximum pressure (PSIG) during hydraulic fracturing:		8436	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		Yes	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	SEE FRAC FOCUS	7639 17284

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
GRAYBURG	Yes	1974.0	1985.0	Yes	LOGGED MWD GR
QUEEN	Yes	1754.0	1765.0	Yes	ESTIMATED DEPTHS
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY CLEARFORK	Yes	2174.0	2185.0	Yes	ESTIMATED DEPTHS
SPRABERRY	Yes	3161.0	3268.0	Yes	ESTIMATED DEPTHS
JO-MILL	Yes	5011.0	5118.0	Yes	LOGGED MWD GR
DEAN	Yes	5824.0	5931.0	Yes	LOGGED MWD GR
TOP WOLFCAMP	Yes	6332.0	6439.0	Yes	LOGGED MWD GR
STRAWN	Yes	6451.0	6558.0	Yes	LOGGED MWD GR
FUSSELMAN	No			No	DID NOT PENETRATE - TOO DEEP
ELLENBURGER	No			No	DID NOT PENETRATE - TOO DEEP
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?					No
Is the completion being downhole commingled (SWR 10)?					No
REMARKS					
WELL IS NOT COMPLETE/AWAITING FLOWBACK OPS.					

RRC REMARKS	
PUBLIC COMMENTS: [RRC Staff 2020-01-29 15:04:46.137] EDL=9600 feet, max acres=380, LIN (WOLFCAMP) oil or gas well; take points: 7639-17284 feet	
CASING RECORD :	
TUBING RECORD:	
PRODUCING/INJECTION/DISPOSAL INTERVAL :	
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :	
POTENTIAL TEST DATA:	

OPERATOR'S CERTIFICATION	
Printed Name: Donnie Stowe	Title: Regulatory Contractor
Telephone No.: (713) 579-8144	Date Certified: 11/05/2019



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

CEMENTING REPORT

Cementor: Fill in
Operator: Fill in other

OPERATOR INFORMATION					
Operator Name: Sable Permian Resources LLC			Operator P-5 No.: 742251		
Cementor Name: Crest Pumping Technologies			Cementor P-5 No.: 189898		
WELL INFORMATION					
District No.: 7 C		County: DADE 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.)		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:		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.)		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:		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 bbow 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

Clayton Greene
 for Clayton Greene

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.

Jonathan Rebenack

Senior Drilling Engineer

Jonathan Rebenack
 Jonathan Rebenack (Oct 21, 2019)

Typed or printed name of operator's representative

Title

Signature

700 Milam Street, 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.

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 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&ri=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&ri=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**

1701 N. Congress
P.O. Box 12967
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 (WOLF CAMP)	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:		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:		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

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: SABLE PERMIAN RESOURCES, LLC Operator P-S No.: 742251
Cementer Name: HALLIBURTON ENERGY SERVICES Cementer P-S No.: 347153

WELL INFORMATION

District No.: 7 C County: REAGAN
Well No.: 33HK API No.: 42-383-40619 Drilling Permit No.: 852545
Lease Name: UNIVERSITY OWENS 1-8ALOG 33 Lease No.:
Field Name: LIN (WOLFCAMP) Field No.: 53613750

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☒ 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? ☒ YES ☐ 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	5669
3	1676	H	NEOCEM	2817	11133
Total	2575			4921	18486

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ 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: 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: Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ 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: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ 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: 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: Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ 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.: 224033

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: 09/09/2019
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). _____

Donnie Stowe

Signature

SABLE PERMIAN RESOURCES, LLC

Name (print)

Regulatory Contractor

Title

(713) 579-8144

Phone

10/24/2019

Date

-FOR RAILROAD COMMISSION USE ONLY-



Gamma Ray Curve And Lateral

Job #: 198135 Well ID: 852545

Scale: 2" = 100 ft Type: MD

Nell Site Information

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

Surface Coordinates

Nell Type	Lateral
.atitude	31° 9' 44 N
.ongitude	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

.ead 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.: 224033

1. Field name exactly as shown on proration schedule LIN (WOLFCAMP)		2. Lease name as shown on proration schedule UNIVERSITY OWENS 1-6 ALLOC 33					
3. Current operator name exactly as shown on P-5 Organization Report SABLE PERMIAN RESOURCES, LLC		4. Operator P-5 no. 742251	5. Oil Lse/Gas ID no 20520	6. County REAGAN	7. RRC district 7C		
8. Operator address including city, state, and zip code 700 MILAM STREET SUITE 3100 HOUSTON, TX 77002		9. Well no(s) (see instruction E) 33HK					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) a. Change of: <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 _____ --- OR --- b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well Due to: <input 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)		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)		11. Effective Date 09/09/2019			
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	
MEDALLION OPERATING COMPANY, LLC(558336)						100.0	
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>01/30/2020</u>							
15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. 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.							
Name of Previous Operator _____ Name (print) _____ Title _____				Signature <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator (see instruction G) _____ Date _____ Phone with area code _____			
16. CURRENT OPERATOR CERTIFICATION. 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.							
SABLE PERMIAN RESOURCES, LLC Name (print) <u>Regulatory Contractor</u> Title <u>dstowe@sableres.com</u> E-mail Address (optional)				Donnie Stowe Signature <input type="checkbox"/> Authorized Employee of current operator <input checked="" type="checkbox"/> Authorized agent of current operator (see instruction G) <u>10/24/2019</u> Date <u>(713) 579-8144</u> Phone with area code			

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 = 31.162228° N
Longitude = 101.302298° W
X = 169636.77
Y = 545233.17
Elev. = 2702'
745' FSL & 610' FEL

Point of Penetration (Sec. 6)
Latitude = 31.160081° N
Longitude = 101.303416° W
X = 169581.81
Y = 544455.04
42' FNL & 4535' FEL

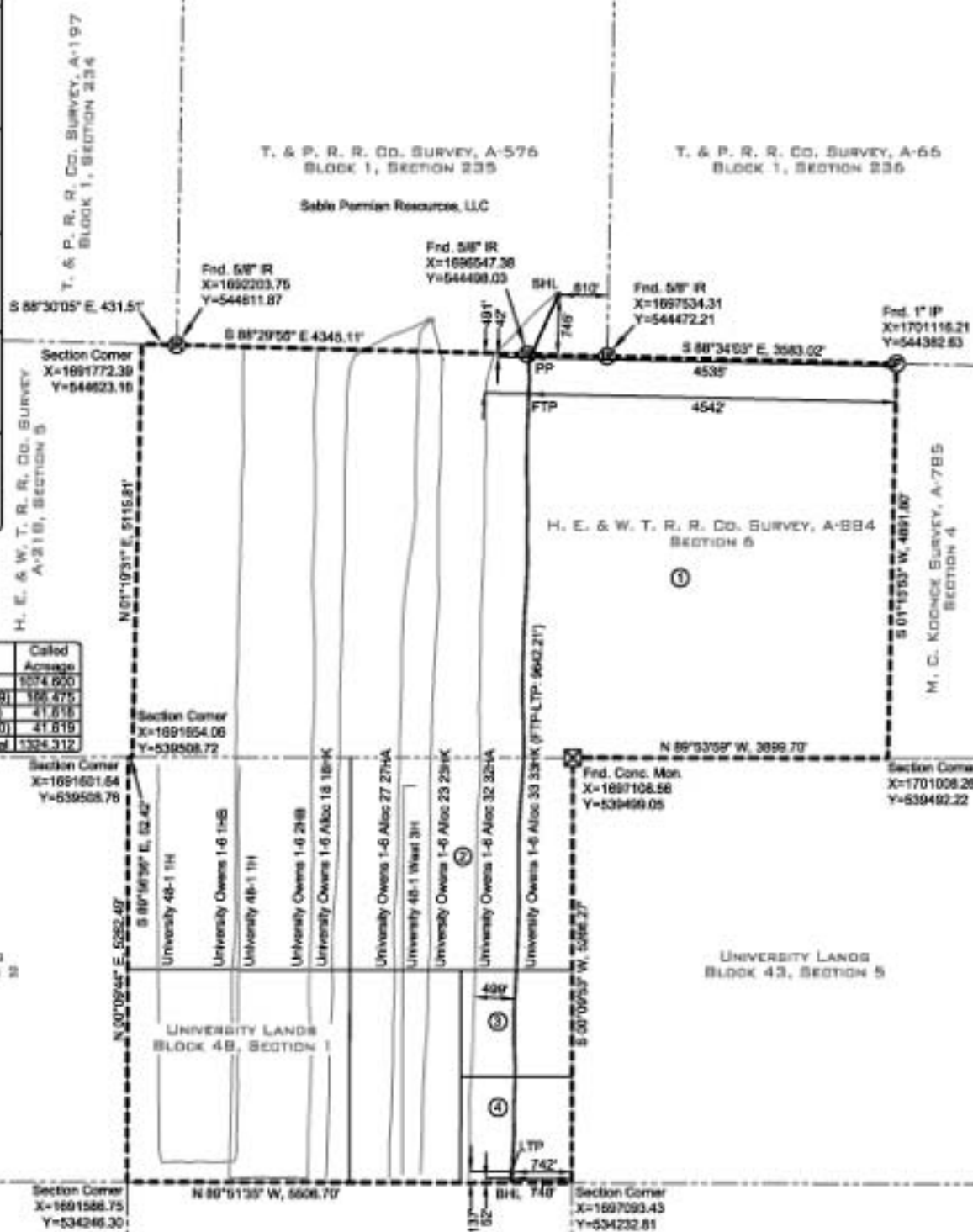
First Take Point (Sec. 6)
Latitude = 31.158847° N
Longitude = 101.303466° W
X = 169585.24
Y = 544008.42
491' FNL & 4542' FEL

Last Take Point (Sec. 1)
Latitude = 31.132353° N
Longitude = 101.303889° W
X = 1695352.17
Y = 534371.92
137' FSL & 742' FEL

Bottom Hole Location (Sec. 1)
Latitude = 31.132117° N
Longitude = 101.303888° W
X = 1695345.48
Y = 534286.19
52' FSL & 748' FEL

Lease Boundary Distance
SHL 42' FNL & 4535' FEL
PP 491' FNL & 4542' FEL
FTP 137' FSL & 742' FEL
BHL 52' FSL & 748' FEL

Tract No.	Owner	Acres
1	Tom Bicep et al	5074.820
2	State of Texas (UL 109138)	166.475
3	State of Texas (UL 91725)	41.816
4	State of Texas (UL 119070)	41.819
Total		5324.930



SABLE
PERMIAN RESOURCES, LLC

Well Name
University Owens 1-6 Alloc 33 33HK
Drilling Field
LIN (WOLF CAMP) FIELD
Nearest Town
8.43 MILES NORTHWEST OF BARNHART, TEXAS

I, Damian M. Jagers do hereby certify that the above described well plat was created from a survey made on the ground under my supervision, as shown.

Damian M. Jagers 9/10/2019
DATE
DAMIAN M. JAGERS
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 6269



NOTE: This Plat does not, in any way represent a "Boundary Survey", and does not comply with the current T.S.P.L.S. Minimum Standards of Procedures for Boundary Survey. Shown Acreages were furnished by others. The information contained on this plat is intended for the sole use of SABLE PERMIAN RESOURCES, LLC.

NOTE: Bearings and coordinates refer to the Texas Coordinate System of 1927, Central Zone (4203), as observed by GPS observations.

XTS
CROSS TRACED SURVEYING, LLC

1802 Drexel Ave., Suite 100, Houston, TX 77059
Phone: 281-488-8888 Fax: 281-488-4710
www.xtsurveying.com

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. Co. Survey, A-884 // Section 6
University Lands Block 48, Section 1
Reagan County, Texas

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

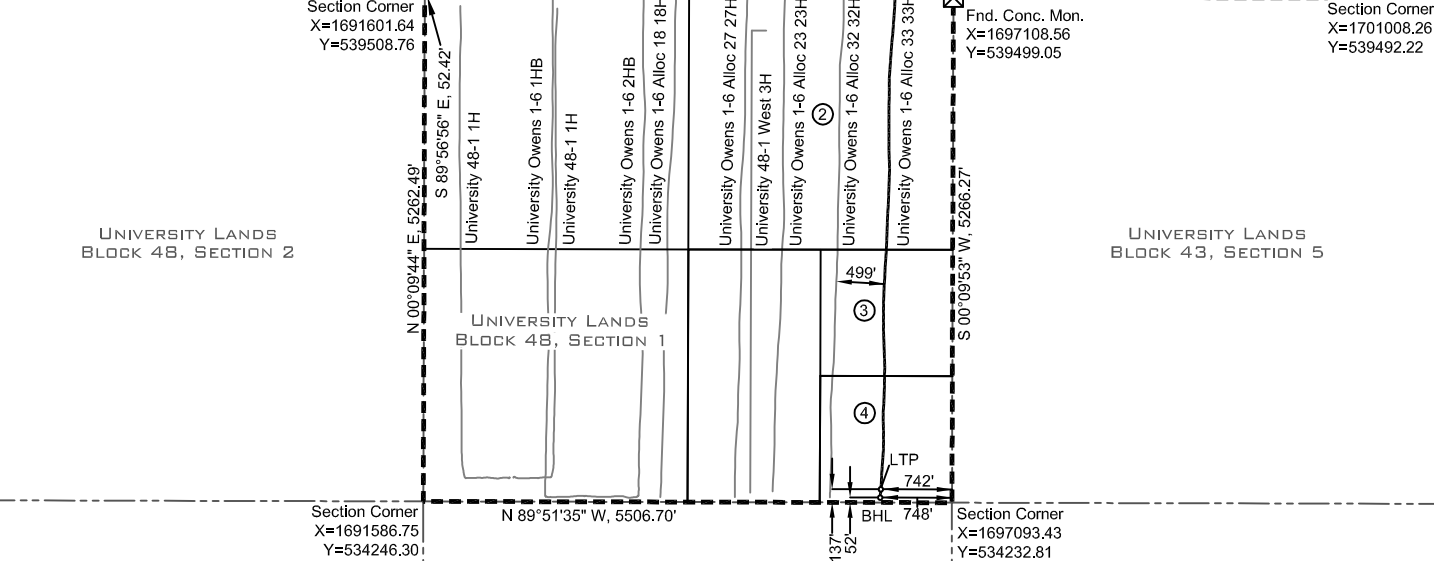
Last Take Point (Sec. 1)
Latitude = 31.132353° N
Longitude = 101.303869° W
X = 1696352.17
Y = 534371.92
137' FSL & 742' FEL

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 & 4535' FEL
FTP	491' FNL & 4542' FEL
LTP	137' FSL & 742' FEL
BHL	52' FSL & 748' FEL

Tract No.	Lessor	Called Acreage
1	Tom Bloxom et al	1074.600
2	State of Texas (UL 109039)	166.475
3	State of Texas (UL 91725)	41.618
4	State of Texas (UL 119070)	41.619
Total		1324.312

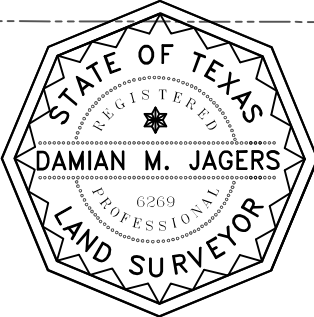


SABLE
PERMIAN RESOURCES

Well Name
University Owens 1-6 Alloc 33 33HK
Drilling Field
LIN (WOLFCAMP) FIELD
Nearest Town
8.43 MILES NORTHWEST OF BARNHART, TEXAS

I, **Damian M. Jagers** do hereby certify that the above described well plat was created from a survey made on the ground under my supervision, as shown.

Damian M. Jagers 9/10/2019
DAMIAN M. JAGERS DATE
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 6269



NOTE: This Plat does not, in anyway represent a "Boundary Survey", and does not comply with the current T.B.P.L.S. Minimum Standards of Procedures for Boundary Survey. Shown Acreages were furnished by others. The information contained on this plat is intended for the sole use of SABLE PERMIAN RESOURCES, LLC.

NOTE: Bearings and coordinates refer to the Texas Coordinate System of 1927, Central Zone (4203), as observed by GPS observations.

Tract No.	Lessor	Productive Length	Productive Percentage
1	Tom Bloxom et al	4508.87'	46.761790%
2	State of Texas (UL 109039)	2635.55'	27.333464%
3	State of Texas (UL 91725)	1317.43'	13.663154%
4	State of Texas (UL 119070)	1180.36'	12.241592%
Total		9642.21'	100.000000%



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