



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 County: REAGAN
Well No.: 33HK RRC District No.: 7C
Lease Name: UNIVERSITY OWENS 1-6 ALLOC 33 Field Name: LIN (WOLFCAMP)
RRC Lease No.: 20520 Field No.: 53613750
Location: Section: 235, Block: 1, Survey: T&P RR CO, Abstract: 576
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
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N/A

TUBING RECORD

Row	Size (in.)	Depth (ft.)	Packer Depth (ft.)/Type
1	2 7/8	7115	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

<u>Row</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>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
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	No			No	DID NOT PENETRATE - TOO DEEP
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
Telephone No.: (713) 579-8144

Title: Regulatory Contractor
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

Cement: Fill in
Operator: Fill in other

OPERATOR INFORMATION					
Operator Name: Sable Permian Resources LLC			Operator P-5 No.: 742251		
Cement Name: Crest Pumping Technologies			Cement P-5 No.: 189898		
WELL INFORMATION					
District No.: 7 C		County: DIMOCK 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 bwo 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>Michael Bailey</i> 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 all well data.

Jonathan Rebenack	Senior Drilling Engineer	<i>Jonathan Rebenack</i> 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

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P.O. Box 12967
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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 OPERATING LLC-EBUS	Operator P-5 No.: 742251
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

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

PLACING 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

PLACING 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

PLACING 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 SOLIDIFY 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.

- 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.
- 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

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 1-8ALLOG 33
Lease No.:
Field Name: LIN (WOLFCAMP)
Field No.: 53613750

I. CASING CEMENTING DATA

Type of casing: Conductor Surface Intermediate Linar 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
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

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

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.):
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? YES NO
Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.):
Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

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.):
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? YES NO
Setting depth tool (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.):
Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

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 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.

ERIC GATLIN SERVICE SUPERVISOR

Halliburton

Name and title of cementer's representative	Cementing Company	Signature	
6155 W. Murphy St.	Odessa, TX, 79763		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

Typed or printed name of operator's representative	Title	Signature	
700 Milam St., Suite 3100	Houston, TX 77002-0000		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_floc=&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_floc=&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.
- 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.

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

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
MD) Log Interval		End Date	Jul/06/2019
		Start Depth	863.47 ft
		End Depth	17,370.07 ft

Bore Hole Record

Well 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	6,600.00 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**

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) _____ Date <u>10/24/2019</u> <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
Operator No.:	742252	County:	REAGAN
		Lease Name:	SECTION 235-220 ALLOC 06
		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. 236)
 Latitude = 31.162229° N
 Longitude = 101.302296° W
 X = 169836.77
 Y = 545233.17
 Elev. = 2702'
 745' FSL & 610' FEL

Point of Penetration (Sec. 6)
 Latitude = 31.160081° N
 Longitude = 101.300416° W
 X = 169561.81
 Y = 544455.04
 42' FNL & 4535' FEL

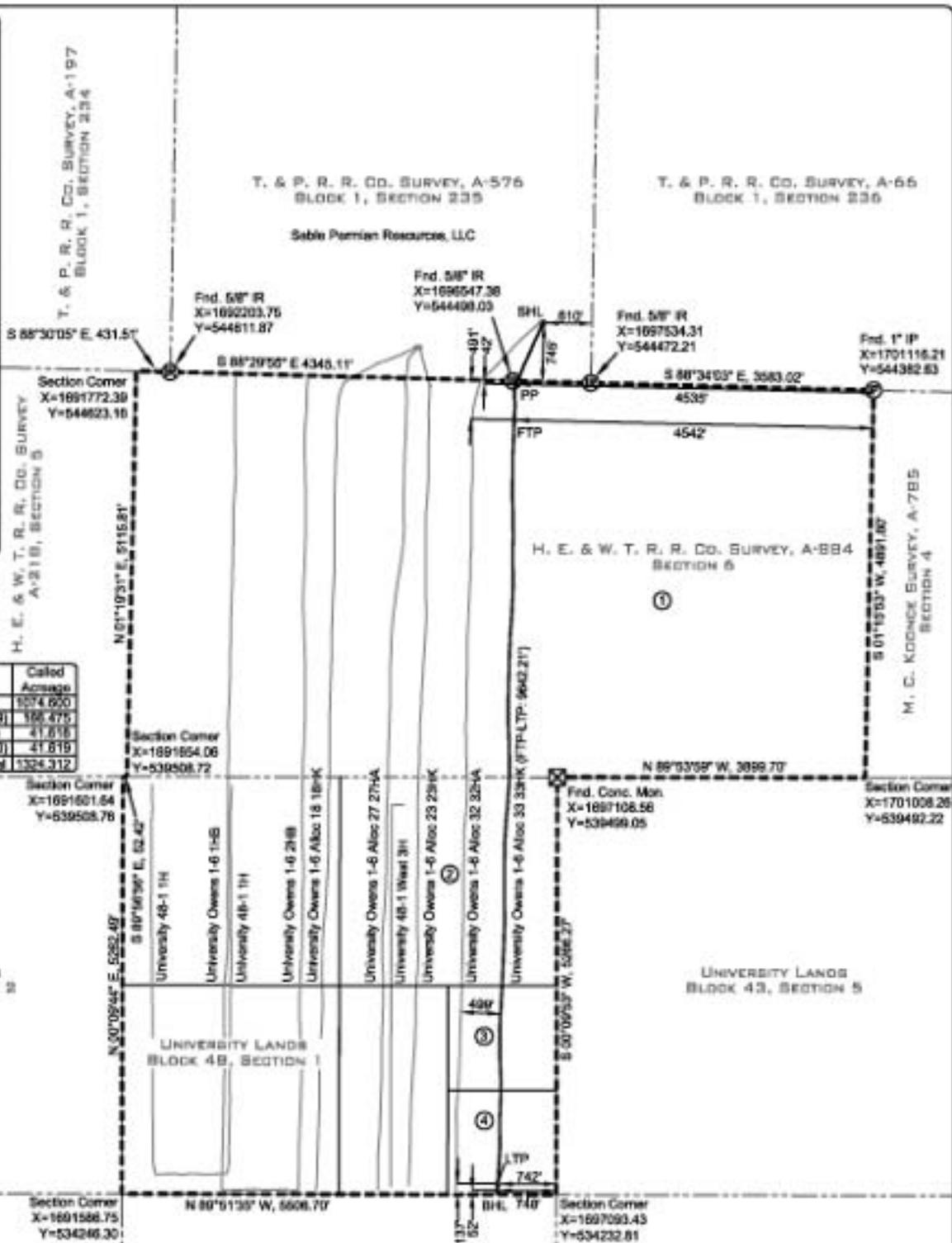
First Take Point (Sec. 6)
 Latitude = 31.158047° N
 Longitude = 101.303466° W
 X = 169555.24
 Y = 544005.42
 491' FNL & 4542' FEL

Last Take Point (Sec. 1)
 Latitude = 31.132353° N
 Longitude = 101.303669° 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 = 534285.19
 52' FSL & 748' FEL

SHL	On 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 Sizemore et al	5074.820
2	State of Texas (UL 109138)	168.475
3	State of Texas (UL 91725)	41.818
4	State of Texas (UL 119270)	41.819
Total		5326.932



UNIVERSITY LANDS
 BLOCK 4B, SECTION 2

UNIVERSITY LANDS
 BLOCK 43, SECTION 5

UNIVERSITY LANDS
 BLOCK 4B, SECTION 9

UNIVERSITY LANDS
 BLOCK 4B, SECTION 10

UNIVERSITY LANDS
 BLOCK 43, SECTION 6

SABLE
 PERMIAN RESOURCES

Well Name
 University Owens 1-6 Alloc 33 33HK

Drilling Field
 LIN (WOLFCAMP) FIELD

Nearest Town
 6.43 MILES NORTHWEST OF BARNHART, TEXAS

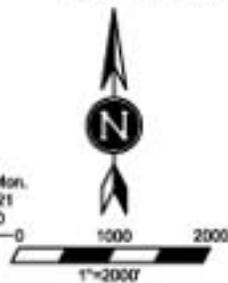


I, Damian M. Jagers do hereby certify that the above described well plat was created from a survey made on the ground under my supervision, as shown.

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.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.



As-Drilled Well Plat
 for
 Sable Permian Resources, LLC

University Owens 1-6 Alloc 33 33HK
 T. & P. R. R. Co. Survey, A-578 // 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

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

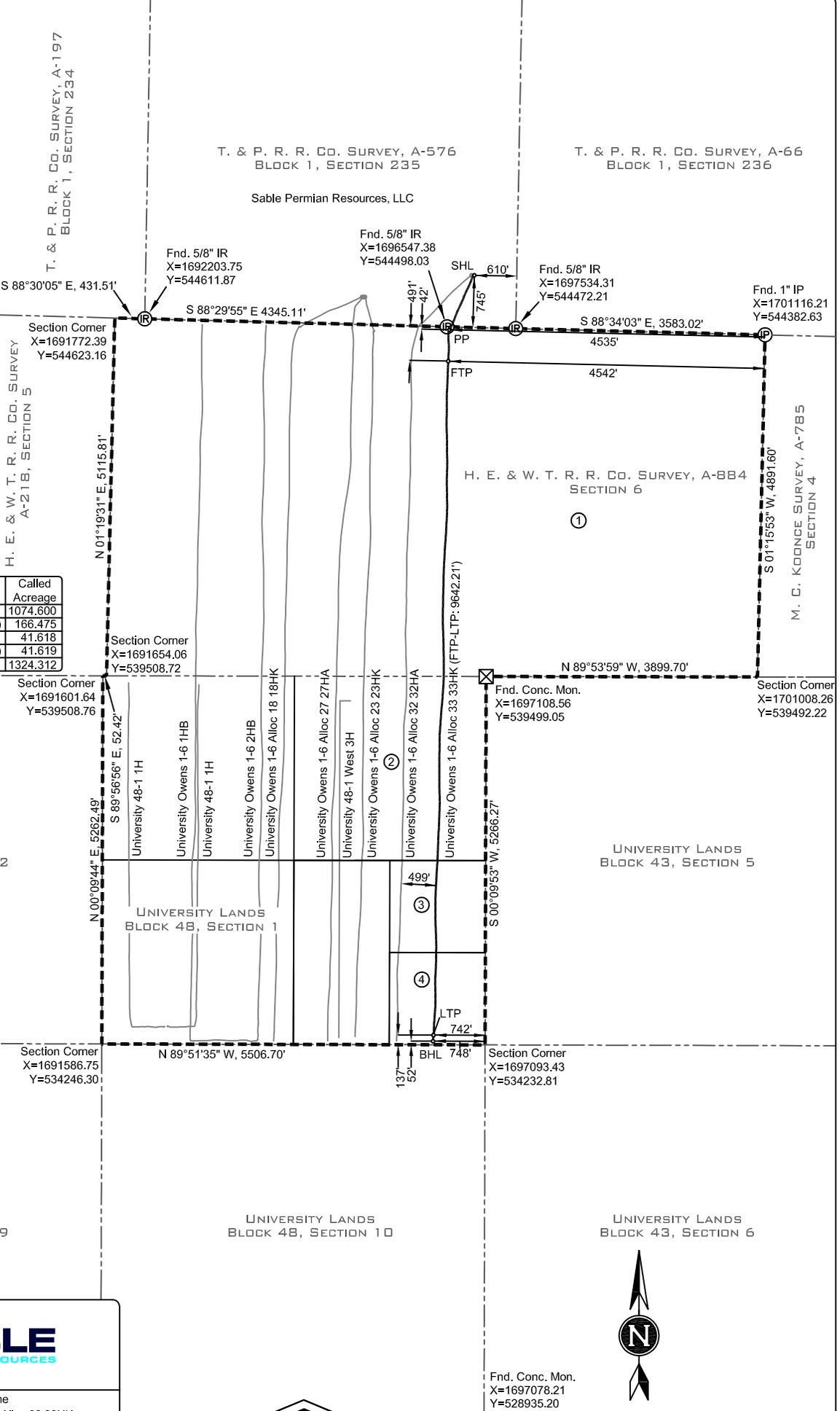
First Take Point (Sec. 6)
 Latitude = 31.158847° N
 Longitude = 101.303456° W
 X = 1696565.24
 Y = 544006.42
 491' FNL & 4542' FEL

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



UNIVERSITY LANDS
 BLOCK 48, SECTION 2

UNIVERSITY LANDS
 BLOCK 43, SECTION 5

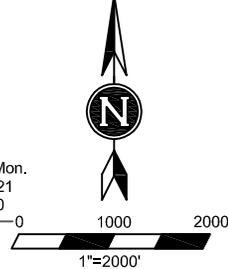
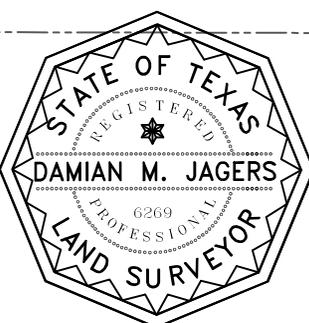
UNIVERSITY LANDS
 BLOCK 48, SECTION 9

UNIVERSITY LANDS
 BLOCK 48, SECTION 10

UNIVERSITY LANDS
 BLOCK 43, SECTION 6

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



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.

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

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