



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 09/28/2017
Tracking No.: 177463

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Operator	SEM OPERATING COMPANY LLC	Operator	766370
Operator	SUITE 1850 2050 WEST SAM HOUSTON PKWY S HOUSTON, TX 77042-0000		

WELL INFORMATION

API	42-383-39745	County:	REAGAN
Well No.:	2816WB	RRC District	7C
Lease	UNIVERSITY 9	Field	LIN (WOLFCAMP)
RRC Lease	17639	Field No.:	53613750
Location	Section: 28, Block: 9, Survey: UL, Abstract:		
Latitude	31.23933	Longitud	-101.60802
This well is	9.4	miles in a	NORTHWEST
direction from	BIG LAKE,		
which is the nearest town in the			

FILING INFORMATION

Purpose of	Initial Potential
Type of	New Well
Well Type:	Producing
Completion or Recompletion	05/28/2017
Type of Permit	Date
Permit to Drill, Plug Back, or	12/14/2016
Rule 37 Exception	Permit No.
Fluid Injection	820774
O&G Waste Disposal	
Other:	

COMPLETION INFORMATION

Spud	12/27/2016	Date of first production after rig	05/28/2017
Date plug back, deepening, drilling operation	01/03/2017	Date plug back, deepening, recompletion, drilling operation	03/24/2017
Number of producing wells on this lease this field (reservoir) including this	12	Distance to nearest well in lease & reservoir	222.0
Total number of acres in	5812.20	Elevation	2663 GL
Total depth TVD	8264	Total depth MD	16520
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	100.5 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Gamma Ray (MWD)		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	7112.0 Feet from the	Off Lease :	No
	7182.0 Feet from the	North Line and East Line of the	
		UNIVERSITY 9 Lease.	

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

<u>Field & Reservoir</u>	<u>Gas ID or Oil Lease</u>	<u>Well No.</u>	<u>Prior Service Type</u>
W2:	N/A		

PACKET: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

GAU Groundwater Protection Determination **Depth** 650.0 **Date** 12/01/2016
SWR 13 Exception **Depth**

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of 07/22/2017 **Production** Flowing
Number of hours 24 **Choke** OPEN
Was swab used during this No **Oil produced prior to** 9658.00

PRODUCTION DURING TEST PERIOD:

Oil 566.00 **Gas** 338
Gas - Oil 597 **Flowing Tubing** 300.00
Water 1372

CALCULATED 24-HOUR RATE

Oil 566.0 **Gas** 338
Oil Gravity - API - 60.: 45.0 **Casing** 225.00
Water 1372

CASING RECORD

<u>Ro</u>	<u>Type of Casing</u>	<u>Casing Size (in.)</u>	<u>Hole Size</u>	<u>Setting Depth</u>	<u>Multi - Stage</u>	<u>Multi - Tool Stage</u>	<u>Multi - Shoe</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined By</u>
1	Surface	13 3/8	17 1/2	716				C	640	1148.0	SURF ACE	Circulated to Surface
2	Conventional Production	5 1/2	8 3/4	16487				C	3130	4825.0	SURF ACE	Circulated to Surface
3	Intermediate	9 5/8	12 1/4	7600				C	1655	3378.0	2584	Calculation

LINER RECORD

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

TUBING RECORD

<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	7617		7598 / WL AS1X

PRODUCING/INJECTION/DISPOSAL INTERVAL

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 8713	16389.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.

Was hydraulic fracturing treatment Yes

Is well equipped with a downhole sleeve? No **If yes, actuation pressure**

Production casing test pressure (PSIG) during hydraulic fracturing 6500 **Actual maximum pressure (PSIG) during fracturin** 1500

Has the hydraulic fracturing fluid disclosure been Yes

Ro Type of Operation Amount and Kind of Material Used Depth Interval (ft.)

FORMATION RECORD

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
GRAYBURG	Yes	2499.0	2499.0	Yes	ISOLATED BY CEMENT
QUEEN	Yes	3445.0	3445.0	Yes	ISOLATED BY CEMENT
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY	Yes	4102.0	4102.0	Yes	ISOLATED BY CEMENT
CLEARFORK	Yes	5051.0	5051.0	Yes	ISOLATED BY CEMENT
SPRABERRY	Yes	6713.0	6713.0	Yes	ISOLATED BY CEMENT
STRAWN	Yes	7122.0	7122.0	Yes	ISOLATED BY CEMENT
WOLFCAMP	Yes	8042.0	8042.0	Yes	ISOLATED BY CEMENT
FUSSELMAN	No			No	DID NOT ENCOUNTER. TD IN WOLFCAMP.
ELLENBURGER	No			No	DID NOT ENCOUNTER. TD IN WOLFCAMP.

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm No
 Is the completion being downhole commingled No

REMARKS

KOP: 7,641'

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2017-09-18 11:20:48.607] EDL=7629 feet, max acres=320, LIN (WOLFCAMP) oil well

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	Mandi Prince	Title:	
Telephone	(903) 705-0829	Date	09/28/2017



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: SEQUITER ENERY	Operator P-5 No.:
Cementer Name: C&J Energy Services	Cementer P-5 No.: 120532

WELL INFORMATION

District No.: 7C	County: REAGAN	
Well No.: #2816WB	API No.: 383-39745	Drilling Permit No.: 820744
Lease Name: UNIVERSITY 9	Lease No.: 17639	
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.): 723	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: 8
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.): 716	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 144	Calculated top of cement (ft.): surface	Cementing date: 12-27-16

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	270	Class C	see remarks	653	940
2	370	Class C	see remarks	495	712
3					
Total	640			1148	1652

II. CASING CEMENTING DATA

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

SLURRY

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

III. CASING CEMENTING DATA

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

SLURRY

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

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON

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

REMARKS

Lead Slurry:CJ912+2%CJ031+2%CJ110+3LB/SK CJ610 Tail Slurry:CJ912+1%CJ110+0.25 LB/SK CJ600 Circulated 84 bbls at 12 ppg 195sks

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.

JESUS LOPEZ

C&J ENERGY SERVICES



Name and title of cementer's representative

Cementing Company

Signature

8001 W. Industrial AVE.

Midland , TX 79706

(432)561-5822

12-27-16

Address

City, State, Zip Code

Tel: Area Code

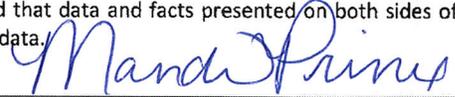
Number

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.

Mandi Prince

Regulatory Asst.



Typed or printed name of operator's representative

Title

Signature

909 ESE Loop 323, Suite 777 Tyler TX 75701

903-705-0829

7/31/2017

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&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- D. Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- 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.



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Form W-15

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

OPERATOR INFORMATION

Operator Name: SEQUITUR ENERGY	Operator P-5 No.:
Cementer Name: C&J ENERGY	Cementer P-5 No.: 120532

WELL INFORMATION

District No.: 7C	County: REAGAN	
Well No.: 2816WB	API No.: 383-39745	Drilling Permit No.: 820744
Lease Name: UNIVERSITY 9	Lease No.: 17639	
Field Name: LIN Wolfcamp	Field No.: 53613750	

I. CASING CEMENTING DATA

Type of casing: Conductor Surface Intermediate Liner Production

Drilled hole size (in.): 12 1/4 Depth of drilled hole (ft.): 7600 Est. % wash-out or hole enlargement: 20%

Size of casing in O.D. (in.): 9 5/8 Casing weight (lbs/ft) and grade: 40, J-55 No. of centralizers used: 40

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.): 7600 Top of liner (ft.):

Setting depth liner (ft.):

Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): 2584 Cementing date: 01/14/2016

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1015	C	See Remarks	2527	8068
2	640	C	See Remarks	851	2717
3					
Total	1655			3378	10785

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 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

Lead:50:50:cj010-87:cj912+10%cj020+5%cj111+3pps cj610+.25pps cj600+.45%cj211 Tail:50:50:cj010-87:cj912+2%cj111+.2%cj500+.3%cj415+.5%cj211 (Did Not Circulate Cement To Surface)

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Balente Gonzales, Service Supervisor

C&J ENERGY

Balente Gonzales

Name and title of cementer's representative

Cementing Company

Signature

8001 West Industrial Avenue

Midland, TX 79706

432-561-5822

01/14/2017

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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Mandi Prince

Regulatory Asst.

Mandi Prince

Typed or printed name of operator's representative

Title

Signature

909 252 Loop 323, Suite 777

Tyler TX 75701

903-705-0829

07/31/2017

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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- 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.



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CEMENTING REPORT

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

OPERATOR INFORMATION	
Operator Name: SEQUITUR ENERGY	Operator P-5 No.:
Cementer Name: C & J ENERGY SERVICES	Cementer P-5 No.: 120532

WELL INFORMATION	
District No.: 7C	County: REAGAN
Well No.: 2816WA	API No.: 383-39745
Lease Name: UNIVERSITY 9	Drilling Permit No.: 820744
Field Name: Lin Wolfcamp	Lease No.: 17639
	Field No.: 53613750

I. CASING CEMENTING DATA		
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production		
Drilled hole size (in.): 8 3/4	Depth of drilled hole (ft.): 16487	Est. % wash-out or hole enlargement: 25%
Size of casing in O.D. (in.): 5 1/2	Casing weight (lbs/ft) and grade: 20, HCP-110	No. of centralizers used: 47
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.): 16487	Top of liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.): surface	Setting depth liner (ft.):
	Cementing date: 3-24-17	

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	630	CJ916	SEE REMARKS	1675	6253
2	2500	CJ916	SEE REMARKS	3250	12866
3					
Total	3130			4825	19119

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:
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:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

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

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

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

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

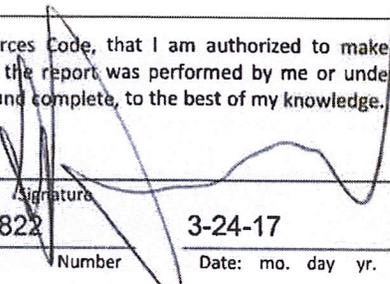
REMARKS

LEAD = 50:50:CJ010-87:CJ916+5%CJ111+10%CJ020+0.5%CJ210F TAIL= 50:50:CJ010-87:CJ916+2%CJ020+0.25%CJ511+0.1%CJ725+0.15%CJ210F CIRCULATED 90BBL/199SX TO PITS

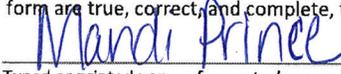
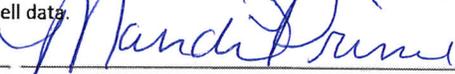
CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, 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.

Alfredo Moreno Service Supervisor

C & J ENERGY SERVICES

Name and title of cementer's representative	Cementing Company		Signature	
8001 W. Industrial	Midland, TX 79706	432-561-5822		
Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.	
			3-24-17	

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.

			
Mandi Prince		Regulatory Asst.	
Title		Signature	
90952 Loop 323, Suite 777	Tyler, TX 75701	903 7050829	8-3-2017
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&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- D. Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- 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.: 177463

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

Table with 3 columns: Operator Name (SEM OPERATING COMPANY LLC), District No. (7C), Completion Date (05/28/2017), Field Name (LIN (WOLFCAMP)), Drilling Permit No. (820774), Lease Name (UNIVERSITY 9), Lease/ID No. (17639), Well No. (2816WB), County (REAGAN), API No. (42- 383-39745)

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

A. BASIC ELECTRIC LOG NOT RUN

B. BASIC ELECTRIC LOG RUN. (Select one)

- Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
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).

Mandi Prince
Signature
SEM OPERATING COMPANY LLC
Name (print)

Title
(903) 705-0829 Phone
08/02/2017 Date

-FOR RAILROAD COMMISSION USE ONLY-



Aim Directional Services LLC

University 9 #2816WB

Scale 5":100' - MD

3/21/2017 7:44 PM

Oper. Company: SEM Operating Company LLC

State: Texas

Well: University 9 #2816WB

County: Reagan

Field: Wolfcamp

Country: U.S.A.

Rig: H&P 467

Location: Big Lake

Well ID: 42-383-39745

Start Date: 01/02/2017 16:50:00

Job Number: WT-17-001

End Date: 03/21/2017 19:35:47

Latitude: 31° 14' 21.626 N

Elev GL: 2663'

Longitude: 101° 36' 28.143 W

Elev DF: 2689'

Elev KB: 2689'

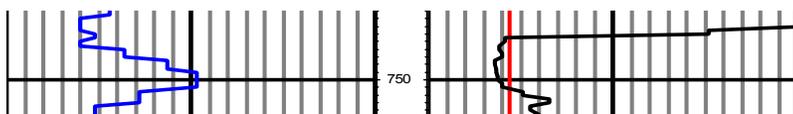
Operator 1: Ryan Turner

Operator 2: Greg Staggs

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	G-012	G-073	G-086	G-057	G-102
Bit Size	12.25	12.25	12.25	8.75	8.75
Cal Factor	5.97	8.01	7.93	4.028	4.51
Survey Offset	53.00	53.00	53.00	50.00	57.00
Gamma Offset	38.00	38.00	36.00	34.00	43.00
Resistivity Offset	0.00	0.00	0.00	0.00	0.00
Start Depth	741.00	5648.00	7081.00	7608.00	8672.00
StartDate	1/2/2017	1/7/2017	1/10/2017	3/16/2017	3/18/2017
StartTime	08:15	04:30	15:45	14:00	03:37
EndDepth	5648.00	7081.00	7608.00	8672.00	16520.00
EndDate	1/7/2017	1/10/2017	1/11/2017	3/18/2017	3/21/2017
EndTime	02:30	12:20	12:30	02:28	19:34
Mud Type	WBM/Brine	WBM/Gel	WBM/Gel	OBM	OBM
Mud Weight	10.1 (ppg)	8.8 (ppg)	8.8 (ppg)	8.7 (ppg)	8.8 (ppg)
Funnel Viscosity	29 (sec/qt)	42 (sec/qt)	42 (sec/qt)	63 (sec/qt)	55 (sec/qt)
Plastic Viscosity	1 (cP)	9 (cP)	8 (cP)	14 (cP)	15 (cP)
Yield Point	3 (lb/100ft2)	11 (lb/100ft2)	14 (lb/100ft2)	14 (lb/100ft2)	15 (lb/100ft2)
Gel Strength	1 1 (10sec/10min)	8 21 (10sec/10min)	7 20 (10sec/10min)	10 12 (10sec/10min)	16 14 (10sec/10min)
Solids Content	3.9 (%)	2.4 (%)	3.1 (%)	4.4 (%)	5.2 (%)
Sand Content	0.2 (%)	0.2 (%)	0.2 (%)	trc	trc
Mud Alkalinity	0.2 (Pm)	0.2 (Pm)	0.5 (Pm)	2.5 (Pm)	2.4 (Pm)
Filtrate Alkalinity	0.05 / 0.15 (Pf/Mf)	0.1 / 0.3 (Pf/Mf)	0.1 / 0.4 (Pf/Mf)	N/A	N/A
Chlorides	144000 (mg/L)	13200 (mg/L)	9450 (mg/L)	55,000 (mg/L)	57,000 (mg/L)
Temperature	95.0°F	80.4°F	102.3°F	126.0°F	185.0°F

Hole Data			Casing Data		
Size	From	To	Size	From	To
12 1/4	741.00	7608.00	13 3/8	0.00	720.00
8 3/4	7608.00	16520.00	9 5/8	720.00	7608.00

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.



MD: 754.00 INC: 0.31 AZ: 282.92 TVD: 753.99 VS: 2.95 DLS: 0.23

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.: 177463

1. Field name exactly as shown on proration schedule LIN (WOLFCAMP)		2. Lease name as shown on proration schedule UNIVERSITY 9					
3. Current operator name exactly as shown on P-5 Organization Report SEM OPERATING COMPANY LLC		4. Operator P-5 no. 766370	5. Oil Lse/Gas ID no. 17639	6. County REAGAN	7. RRC district 7C		
8. Operator address including city, state, and zip code SUITE 1850 2050 WEST SAM HOUSTON PKWY S HOUSTON, TX 77042		9. Well no(s) (see instruction E) 2816WB			11. Effective Date 05/28/2017		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G)							
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 <input type="checkbox"/> other well (specify) _____ Due to: <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)							
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <i>(Attach an additional sheet in same format if more space is needed)</i>			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	WTG GAS PROCESSING, L.P.(945227)			0001	50.0	
X	X	ENERGY TRANSFER COMPANY(252017)			0001	50.0	
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First <i>(Attach an additional sheet in same format if more space is needed)</i>							Percent of Take
PLAINS MARKETING, L.P.(667883)							100.0
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>09/28/2017</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 _____				Signature _____			
Name (print) _____				<input type="checkbox"/> Authorized Employee of previous operator		<input type="checkbox"/> Authorized agent of previous operator (see instruction G)	
Title _____				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.							
SEM OPERATING COMPANY LLC				Mandi Prince			
Name (print) _____				Signature _____			
Title _____				<input checked="" type="checkbox"/> Authorized Employee of current operator		<input type="checkbox"/> Authorized agent of current operator (see instruction G)	
E-mail Address (optional) <u>mprince@sequitenergy.com</u>				Date <u>08/02/2017</u>		Phone with area code <u>(903) 705-0829</u>	
				Date _____		Phone with area code _____	

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 01 December 2016**GAU Number:** 163841

Attention: SEM OPERATING COMPANY
 SUITE 1850
 HOUSTON, TX 77042

API Number:
County: REAGAN
Lease Name: UNIVERSITY 9

Operator No.: 766370

Lease Number:
Well Number: 2816WB
Total Vertical Depth: 9000
Latitude: 31.239341
Longitude: -101.607818
Datum: NAD27

Purpose: New Drill**Location:** Survey-UL; Abstract-U198

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

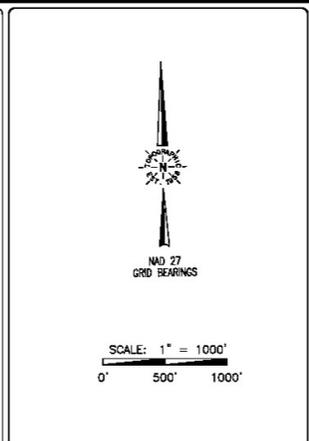
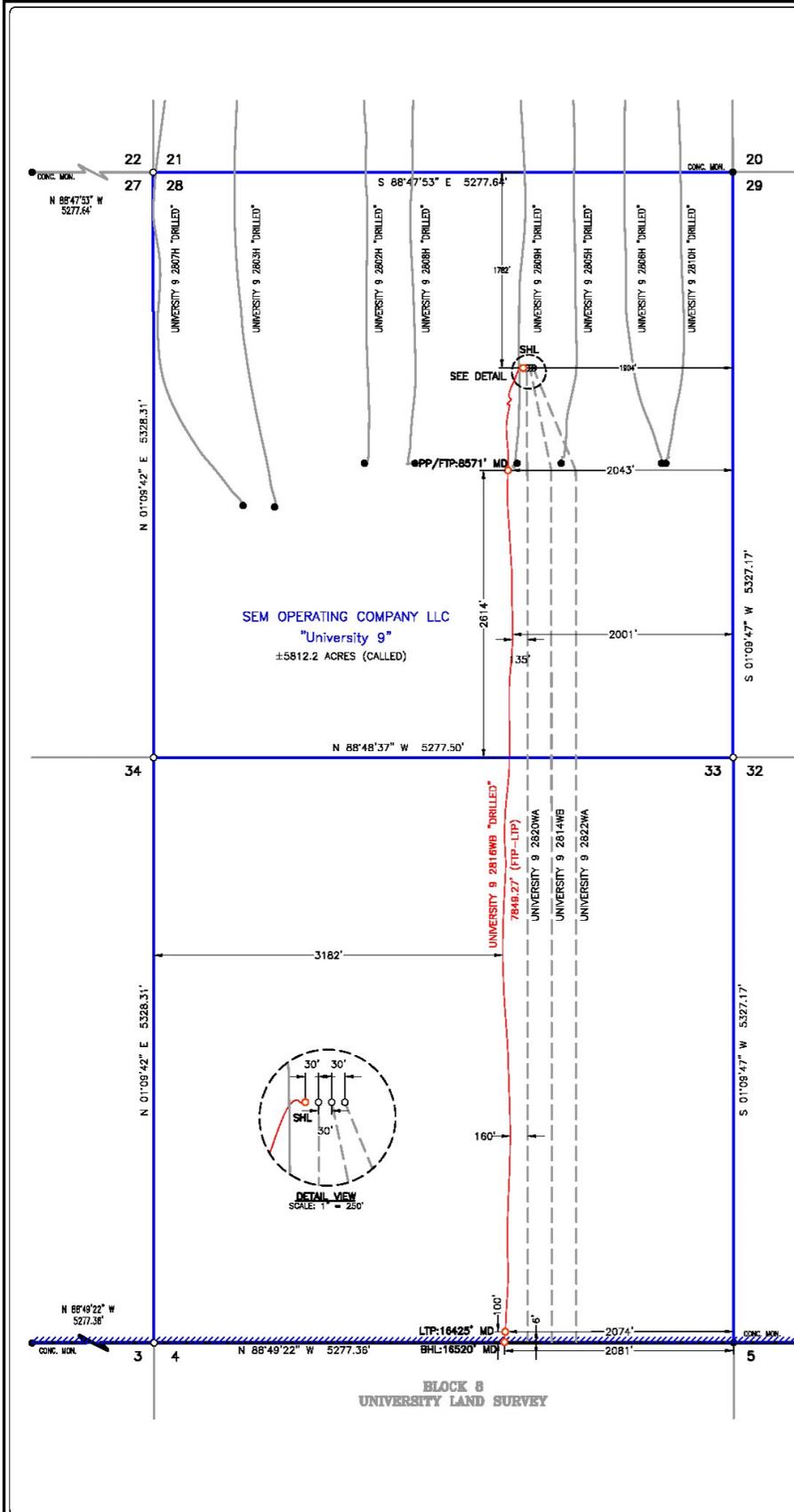
The interval from the land surface to a depth of 650 feet must be protected.

This recommendation is applicable to all wells within a radius of 600 feet of this location.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 12/01/2016. 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



Surface Hole Location:
 1782' FNL & 1904' FEL (SEC. 28)
 SHL Ground Elevation: 2663'
 NAD 27 TX-C ZONE:
 X = 1601706.28 Y = 574240.59
 LAT.: N 31°14'21.63" LONG.: W 101°36'28.14"
 LAT.: N 31.2393405 LONG.: W 101.6078175
 NAD 83 TX-C ZONE:
 X = 1898174.28 Y = 10416817.34
 LAT.: N 31°14'22.17" LONG.: W 101°36'29.57"
 LAT.: N 31.2394923 LONG.: W 101.6082152

**Penetration Point/
 First Take Point:**
 2614' FSL & 2001' FEL (SEC. 28)
 X = 1601548 Y = 573312
 LAT.: N 31.2367825 LONG.: W 101.6082901
 NAD 27 TX-C ZONE:
 X = 1601547.91 Y = 573311.97
 LAT.: N 31°14'12.42" LONG.: W 101°36'29.84"
 LAT.: N 31.2367825 LONG.: W 101.6082901
 NAD 83 TX-C ZONE:
 X = 1898015.91 Y = 10415888.73
 LAT.: N 31°14'12.96" LONG.: W 101°36'31.28"
 LAT.: N 31.2369344 LONG.: W 101.6086879

Last Take Point:
 100' FSL & 2074' FEL (SEC. 33)
 NAD 27 TX-C ZONE:
 X = 1601358.13 Y = 565473.22
 LAT.: N 31°12'54.81" LONG.: W 101°36'31.00"
 LAT.: N 31.2152254 LONG.: W 101.6086098
 NAD 83 TX-C ZONE:
 X = 1897826.09 Y = 10408050.00
 LAT.: N 31°12'55.36" LONG.: W 101°36'32.43"
 LAT.: N 31.2153781 LONG.: W 101.6090076

Bottom Hole Location:
 6' FSL & 2081' FEL (SEC. 33)
 NAD 27 TX-C ZONE:
 X = 1601349.19 Y = 565378.66
 LAT.: N 31°12'53.87" LONG.: W 101°36'31.09"
 LAT.: N 31.2149651 LONG.: W 101.6086349
 NAD 83 TX-C ZONE:
 X = 1897817.15 Y = 10407955.43
 LAT.: N 31°12'54.42" LONG.: W 101°36'32.52"
 LAT.: N 31.2151178 LONG.: W 101.6090327

All Coordinates are in NAD 27 TX-C Zone unless otherwise noted.

REV#	BY	DATE REVISED	REV#	BY	DATE REVISED
1-XXX		XX/XX/XX	1-XXX		XX/XX/XX

SPECIAL NOTES:

LEGEND		Unit Boundary
		Section Lines
		Block Line
		Powerline
		Pipeline
	Lease Road	
	Calculated Corner	

CERTIFICATION:
 This well location shown on this permit plat was surveyed under my direct supervision. All As Drilled information provided by client. This plat is for Texas Railroad Commission permit purpose only and should not be considered a boundary survey.

William J. Keating
 Texas Reg. No. 5041

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79706
 TELEPHONE: (432) 882-1863 OR (800) 787-1863 • FAX: (432) 882-1743
 WWW.TOPOGRAFIC.COM
 Texas FIRM Registration NO. 10042500
 FILE NAME: AD_UNIVERSITY_9_2816WB



SEM OPERATING COMPANY LLC

LEASE NAME & WELL NO.:
UNIVERSITY 9 #2816WB "AS-DRILLED"
 TOPOGRAPHY & VEGETATION:
NATURAL MESQUITE PASTURE
 NEAREST TOWN IN COUNTY:
 ±9.4 MILES NORTHWEST OF BIG LAKE, TEXAS

LOCATION DESCRIPTION:
 SHL/PP/FTP: SECTION 28, BLOCK 9, UNIVERSITY LAND SURVEY
 LTP/BHL: SECTION 33, BLOCK 9, UNIVERSITY LAND SURVEY
 REAGAN COUNTY, TEXAS

Scale: 1" = 1000' Surveyed: 11-09-2016 ORIGINAL DOC. SIZE: 11"x17"
 COGO: 519-89429 Drawn By: MR; 06/12/2017