



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 05/01/2018
Tracking No.: 184803

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

OPERATOR INFORMATION

Operator Name: SEM OPERATING COMPANY LLC
Operator No.: 766370
Operator Address: SUITE 1850 2050 WEST SAM HOUSTON PKWY S HOUSTON, TX 77042-0000

WELL INFORMATION

API No.: 42-383-39868
Well No.: 2901WB
Lease Name: UNIVERSITY 9
RRC Lease No.: 17639
Location: Section: 29, Block: 9, Survey: UL, Abstract:

Latitude: 31.235036
Longitude: -101.586258
This well is located 8.1 miles in a NW direction from BIG LAKE, which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: New Well
Well Type: Producing
Completion or Recompletion Date: 11/19/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	08/28/2017	826216
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 05/22/2017	Date of first production after rig released: 11/19/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 06/16/2017	Date plug back, deepening, recompletion, or drilling operation ended: 07/07/2017
Number of producing wells on this lease in this field (reservoir) including this well: 13	Distance to nearest well in lease & reservoir (ft.): 3547.0
Total number of acres in lease: 5812.20	Elevation (ft.): 2683 GL
Total depth TVD (ft.): 8195	Total depth MD (ft.): 16438
Plug back depth TVD (ft.): 8195	Plug back depth MD (ft.): 16438
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 48.0
Recompletion or reclass? No	Is Cementing Affidavit (Form W-15) attached? Yes
Type(s) of electric or other log(s) run: Gamma Ray (MWD)	Multiple completion? No
Electric Log Other Description:	
Location of well, relative to nearest lease boundaries	Off Lease : No
of lease on which this well is located: 7368.0 Feet from the South Line and 430.0 Feet from the East Line of the UNIVERSITY 9 Lease.	

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

Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
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PACKET: N/A

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination		Depth (ft.): 650.0	Date: 05/04/2017
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of test: 01/05/2018		Production method: Flowing
Number of hours tested: 24		Choke size: OPEN
Was swab used during this test?	No	Oil produced prior to test: 6051.00
PRODUCTION DURING TEST PERIOD:		
Oil (BBLS): 823.00		Gas (MCF): 555
Gas - Oil Ratio: 674		Flowing Tubing Pressure: 400.00
Water (BBLS): 1582		
CALCULATED 24-HOUR RATE		
Oil (BBLS): 823.0		Gas (MCF): 555
Oil Gravity - API - 60.:	42.0	Casing Pressure: 234.00
Water (BBLS): 1582		

CASING RECORD											
Row	Type of Casing	Casing Hole		Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size	Size	Depth	Stage Tool	Stage Shoe		Amount	Volume	Cement	Determined
		(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	By
1	Surface	13 3/8	17 1/2	750			J-55	600	1081.0	SURF ACE	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	7526			L-80	1850	3862.5	3663	Calculation
3	Conventional Production	5 1/2	8 3/4	16433			HCP-110	3200	4784.0	SURF ACE	Circulated to Surface

LINER RECORD									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD			
Row	Size (in.)	Depth (ft.)	Packer Depth (ft.)/Type
1	2 7/8	7544	7532 / AS1X

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 8544	16335.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		Yes	
Is well equipped with a downhole actuation sleeve?		If yes, actuation pressure (PSIG):	
No			
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		Actual maximum pressure (PSIG) during hydraulic fracturing:	
4500		1500	
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>

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
GRAYBURG	Yes	1500.0	1500.0	Yes	ISOLATED BY CEMENT
QUEEN	Yes	2500.0	2500.0	Yes	ISOLATED BY CEMENT
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY CLEARFORK	Yes	3500.0	3500.0	Yes	ISOLATED BY CEMENT
SPRABERRY	Yes	4000.0	4000.0	Yes	ISOLATED BY CEMENT
WOLFCAMP	Yes	6775.0	6775.0	Yes	ISOLATED BY CEMENT
STRAWN	No			No	DID NOT ENCOUNTER. TD IN WOLFCAMP.
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 (SWR 36)?					No
Is the completion being downhole commingled (SWR 10)?					No

REMARKS
KOP: 7,596

RRC REMARKS
<p>PUBLIC COMMENTS:</p> <p>[RRC Staff 2018-01-05 14:23:08.228] EDL=7804 feet, max acres=320, LIN (WOLFCAMP) oil well</p>
<p>CASING RECORD :</p>
<p>TUBING RECORD:</p>
<p>PRODUCING/INJECTION/DISPOSAL INTERVAL :</p>
<p>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</p>
<p>POTENTIAL TEST DATA:</p>

OPERATOR'S CERTIFICATION	
Printed Name: Mandi Prince	Title: Regulatory Assistant
Telephone No.: (903) 705-0829	Date Certified: 03/20/2018



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: SEQUITUR ENERGY	Operator P-5 No.: 746370
Cementer Name: C&J ENERGY	Cementer P-5 No.: 120532

WELL INFORMATION

District No.: 7C	County: REAGAN	
Well No.: 2901 WB	API No.: 383-39868	Drilling Permit No.: 826216
Lease Name: UNIVERSITY 9	Lease No.: 17439	
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.): 750	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 lbs./ft. 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.): 750	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 72	Calculated top of cement (ft.): Surface	Cementing date: 05/23/2017

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	280	C	See Remarks	629	906
2	340	C	See Remarks	452	651
3					
Total	600			1081	1557

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:CJ912+2%CJ110+2%CJ031+3 PPS CJ610 Tail:CJ912+1%CJ110+CJ600 (Circulated 49 bbls Of Cement To Surface) 113 SX

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.

Balente Gonzales, Service Supervisor

C&J ENERGY

Balente Gonzales
Signature

Name and title of cementer's representative

Cementing Company

8001 West Industrial Avenue

Midland, TX 79706

432-561-5822

05/23/2017

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.

Mandi Prince

Typed or printed name of operator's representative

Title

Signature

909 ESE Loop 323

9037050829

1/02/2018

Address

Suite 777
Tyler, Tx 75701

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

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



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Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION

Operator Name: SEQUITUR ENERGY	Operator P-5 No.: 764370
Cementer Name: C&J Well Services	Cementer P-5 No.: 120532

WELL INFORMATION

District No.: 7C	County: GREGG Reason
Well No.: 9-2901WB	API No.: 383-39868 Drilling Permit No.: 826216
Lease Name: UNISERSITY	Lease No.: 17639
Field Name: Lin Wolfcamp	Field No.: 53413750

I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production					
Drilled hole size (in.): 12 1/4	Depth of drilled hole (ft.): 7526	Est. % wash-out or hole enlargement: 20%			
Size of casing in O.D. (in.): 9 5/8	Casing weight (lbs/ft) and grade: L-80, 40#	No. of centralizers used: 10			
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 7526	Top of liner (ft.):			
		Setting depth liner (ft.):			
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.): 3643	Cementing date: 6-25-17			
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1250	CLASS C	SEE REMARKS	3112.5	9931
2	600	CLASS H	SEE REMARKS	750	2402
3					
Total	1850			3862.5	12333

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					

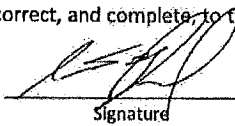
CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount 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 50:50 CJ010:CJ916+ 5% CJ111 + 10% CJ020 + 3 LB/SK CJ610 + .25 LB/SK CJ600 + .15% CJ701 + .3% CJ211 TAIL 50:50 CJ010:CJ916+2% CJ020+.2% CJ501+.2% CJ415+.05% CJ210F

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Scott Peel, Supervisor

C&J Well Services



Name and title of cementer's representative

Cementing Company

Signature

8001 W. Industrial Ave, Midland, TX. 79706

432.561.5822

6-25-17

Address

City,

State, Zip Code

Tel: Area Code

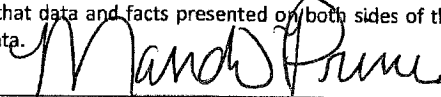
Number

Date: mo. day yr.

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Mandi Prince

Regulatory Asst.



Typed or printed name of operator's representative

Title

Signature

909 ESE Loop 323

9037050829

12/21/2017

Address

City,

State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Suite 777
Tyler, Tx 75701

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To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_loc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_loc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
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Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: SEQUITUR ENERGY

Operator P-5 No.: 706370

Cementer Name: C&J Well Services

Cementer P-5 No.: 120532

WELL INFORMATION

District No.: 7C

County: REAGAN

Well No.: 2901WB

API No.: 383-39868

Drilling Permit No.: 826216

Lease Name: UNIVERSITY 9

Lease No.: 17639

Field Name: Lin Walfcamp

Field No.: 53613750

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☒ Production

Drilled hole size (in.): 8 3/4

Depth of drilled hole (ft.): 10433

Est. % wash-out or hole enlargement: 20

Size of casing in O.D. (in.): 5 1/2

Casing weight (lbs/ft) and grade: HCP-110, 20#

No. of centralizers used: 140

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.): 10433

Top of liner (ft.):

Setting depth liner (ft.):

Hrs. waiting on cement before drill-out:

Calculated top of cement (ft.): surface

Cementing date: 07-06-17

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	600	CJ916	SEE ADDITIVES	1404	5558
2	2600	CJ916	SEE ADDITIVES	3380	13381
3					
Total	3200			4784	18939

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 SLURRY -50:50 CJ010:CJ916+10%CJ020+.3%CJ210F+.15%CJ701/ TAIL - 50:50 CJ010:CJ916+2% CJ020+.25%CJ511+.1%CJ725+.2%CJ210F / CIRCULATED SACKS

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.

MARCUS CORTEZ Service Supervisor

C&J Well Services

[Signature]

Name and title of cementer's representative

Cementing Company

Signature

8001 W. Industrial Ave, Midland, TX. 79706

432.561.5822

07-06-17

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.

Mandi Prince

Typed or printed name of operator's representative

Title

Signature

909 ESE Loop 323

903 705 0829

12.21.17

Address

City,

State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Suite 777
Tyler, Tx 75701

Instructions for Form W-15, Cementing Report

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

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

Tracking No.: 184803

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: SEM OPERATING COMPANY LLC	District No. 7C	Completion Date: 11/19/2017
Field Name LIN (WOLFCAMP)	Drilling Permit No. 826216	
Lease Name UNIVERSITY 9	Lease/ID No. 17639	Well No. 2901WB
County REAGAN	API No. 42- 383-39868	

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). _____

Mandi Prince

Signature

SEM OPERATING COMPANY LLC

Name (print)

Regulatory Assistant

Title

(903) 705-0829

Phone

12/21/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-



Aim Directional Services, LLC

University 9 #2901WB

Scale 1":100' - MD

7/3/2017 1:32 PM

Oper. Company: Sequitur Energy Resources

State: TX

Well: University 9 #2901WB

County: Reagan

Field: Wolfcamp

Country: USA

Rig: H&P 467

Location: Reagan County

Well ID: 42-383-39869

Start Date: 06/18/2017 03:45:39

Job Number: WT-17-129

End Date: 07/03/2017 13:07:01

Latitude: 31 14 6.29 N

Elev GL: 2863

Longitude: 101 35 10.529 W

Elev DF: 2709

Elev KB: 2709

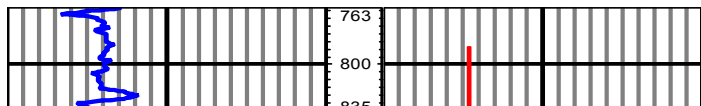
Operator 1: Greg Staggs

Operator 2: Jaime Lopez

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	G-058	G-072	G-103		
Bit Size	12 1/4	8 3/4	8 3/4		
Cal Factor	5.84	5.32	4.50		
Survey Offset	55.00	50.00	56.00		
Gamma Offset	40.00	36.00	41.00		
Resistivity Offset	0.00	0.00	0.00		
Start Depth	763.00	7526.00	8516.00		
StartDate	6/18/2017	6/26/2017	6/29/2017		
StartTime	03:46	05:14	12:15		
EndDepth	7526.00	8516.00	16438.00		
EndDate	6/23/2017	6/29/2017	7/3/2017		
EndTime	03:12	11:20	13:07		
Mud Type	Brine	OBM	OBM		
Mud Weight	9.5	10.1	10		
Funnel Viscosity	28	96	74		
Plastic Viscosity	1	23	23		
Yield Point	1	17	12		
Gel Strength	1/1	14/21	10/16		
Solids Content	9.6	12.6	12.4		
Sand Content	trc	trc	trc		
Mud Alkalinity	0.2	2.8	2.8		
Filtrate Alkalinity	.025	3.6	3.6		
Chlorides	50000	53000	53000		
Temperature	116	145	186		
Hole Data			Casing Data		
Size	From	To	Size	From	To
12 1/4	673.00	7526.00	9 5/8	0.00	7526.00
8 3/4	7526.00	16438.00			

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.

0.00 GR(API) 150.00 MD 0.00 ROP(FT/HR) 300.00 Surveys (MD/INC/AZ/TVD/VS/DLS)
 150.00 300.00 FT 300.00 600.00
 0.00 TEMP(degF) 300.00



CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

P-4

This facsimile P-4 was generated electronically from data submitted to the RRC.

A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 184803

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
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) 2901WB		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)		11. Effective Date 11/19/2017
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 (Attach an additional sheet in same format if more space is needed)	Purchaser's RRC Assigned System Code	Percent of Take
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 (Attach an additional sheet in same format if more space is needed)				Percent of Take
PLAINS MARKETING, L.P.(667883)				100.0
RRC USE ONLY: Reviewer's initials: _____ Approval date: _____				
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		
Regulatory Assistant		<input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G)		
Title		Date		
mprince@sequitirenergy.com		12/21/2017		
E-mail Address (optional)		Phone with area code		
		(903) 705-0829		



RAILROAD COMMISSION OF TEXAS

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

Form P-16

Page 1

Rev. 01/2016

Acreage Designation

SECTION I. OPERATOR INFORMATION

Operator Name: SEM Operating Company, LLC Operator P-5 No.: 766370
Operator Address: 2050 West Sam Houston Parkway S., Suite 1850, Houston, Texas 77042

SECTION II. WELL INFORMATION

District No.: 7C	County: Reagan	Purpose of Filing: <input checked="" type="checkbox"/> Drilling Permit Application (Form W-1) <input type="checkbox"/> Completion Report (Form G-1/W-2)
Well No.: 2901WB	API No.:	
Total Lease Acres: 5812.2	Drilling Permit No.:	
Lease Name: UNIVERSITY 9	Lease No.: 17639	
Field Name: LIN WOLF CAMP	Field No.: 53613750	

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

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
17639	2802H	H	UNIVERSITY 9	383-37139	360	N	
17639	2803H	H	UNIVERSITY 9	383-37356	280	N	
17639	2803LH	H	UNIVERSITY 9	383-37594	300	N	
17639	2804H	H	UNIVERSITY 9	383-37425	300	N	
17639	2805H	H	UNIVERSITY 9	383-37490	300	N	
17639	2806H	H	UNIVERSITY 9	383-37489	300	N	
17639	2807H	H	UNIVERSITY 9	373-37643	300	N	
17639	2808H	H	UNIVERSITY 9	383-37828	300	N	
17639	2810H	H	UNIVERSITY 9	383-38068	300	N	
17639	2816WB	H	UNIVERSITY 9	383-39745	40	N	
17639	2820WA	H	UNIVERSITY 9	383-39746	40	N	
17639	2814WB	H	UNIVERSITY 9	383-39747	40	N	
17639	2901WB	H	UNIVERSITY 9		40	N	

Total Well Count >	14	2900	< A. Total Assigned Horiz. Acreage	2900	< C. Total Assigned Acreage
		2912.2	< Total Remaining Horiz. Acreage	2912.2	< Total Remaining Acreage
			< B. Total Assigned Vert./Dir. Acreage		
			< Total Remaining Vert./Dir. Acreage		

SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)

Attach Additional Pages As Needed. ☒ No additional pages ☐ Additional Pages: ____ (No. of additional pages)

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Amber Moore
Signature

Amber Moore, Landman
Name and title (type or print)

amoore@sequitenergy.com
Email (include email address only if you affirmatively consent to its public release)

2050 West Sam Houston Parkway S., Suite 1850	Houston	Texas	77042	(432) 218-2001	May 3, 2017	
Address	City,	State,	Zip Code	Tel: Area Code	Number	Date: mo. day yr.

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 04 May 2017**GAU Number:** 171662**Attention:** SEM OPERATING COMPANY
SUITE 1850
HOUSTON, TX 77042**Operator No.:** 766370**API Number:**
County: REAGAN
Lease Name: UNIVERSITY 9
Lease Number:
Well Number: 2913WA
Total Vertical Depth: 8000
Latitude: 31.235140
Longitude: -101.592273
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-9; Section-29

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 20 feet below the base of the Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth between 625 and 650 feet.

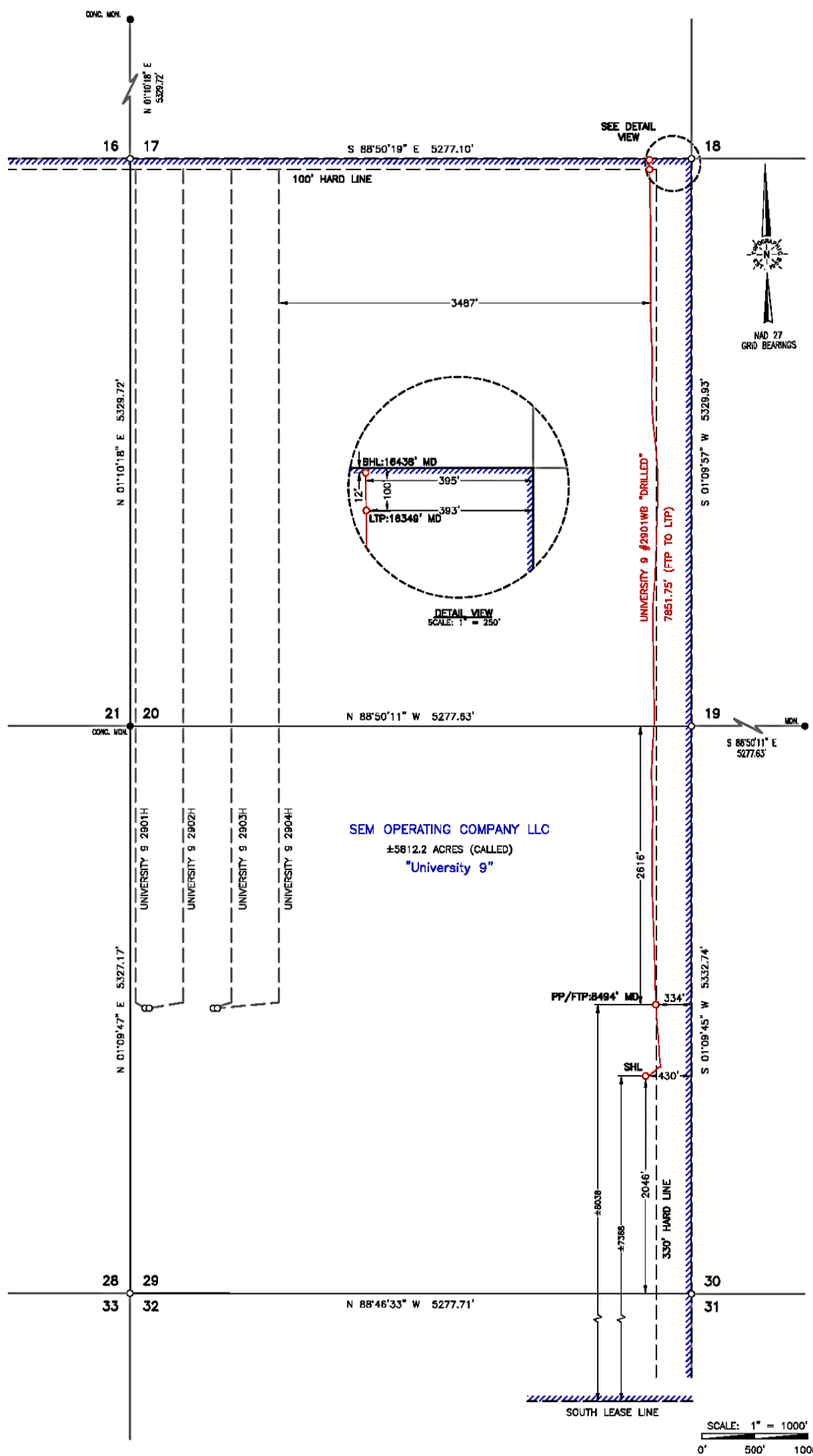
This recommendation is applicable for all wells drilled in this sec. 29.

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 05/04/2017. 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



Surface Hole Location:
GROUND ELEVATION:
SHL Ground Elevation: 2683'
COORDINATES:
NAD 27 TX-C ZONE:
X = 1608426.01 Y = 572598.52
LAT.: N 31°14'06.13" LONG.: W 101°35'10.53"
LAT.: N 31.2350358 LONG.: W 101.5862579
NAD 83 TX-C ZONE:
X = 1904894.02 Y = 10415175.32
LAT.: N 31°14'06.68" LONG.: W 101°35'11.96"
LAT.: N 31.2351880 LONG.: W 101.5865551
SURVEY LINE PERPENDICULARS:
2046' FSL & 430' FEL (SEC. 29)
UNIT LINE PERPENDICULARS:
7368' FSL & 430' FEL
**Penetration Point/
First Take Point:**
COORDINATES:
NAD 27 TX-C ZONE:
X = 1608535.15 Y = 573266.44
LAT.: N 31°14'12.75" LONG.: W 101°35'09.36"
LAT.: N 31.2368755 LONG.: W 101.5859328
NAD 83 TX-C ZONE:
X = 1905003.16 Y = 10415843.23
LAT.: N 31°14'13.30" LONG.: W 101°35'10.79"
LAT.: N 31.2370276 LONG.: W 101.5863300
SURVEY LINE PERPENDICULARS:
2616' FNL & 334' FEL (SEC. 29)
UNIT LINE PERPENDICULARS:
8038' FSL & 334' FEL
Last Take Point:
COORDINATES:
NAD 27 TX-C ZONE:
X = 1608635.81 Y = 581111.93
LAT.: N 31°15'30.41" LONG.: W 101°35'09.22"
LAT.: N 31.2584482 LONG.: W 101.5858934
NAD 83 TX-C ZONE:
X = 1905103.85 Y = 10423688.71
LAT.: N 31°15'30.96" LONG.: W 101°35'10.65"
LAT.: N 31.2585996 LONG.: W 101.5862906
SURVEY LINE PERPENDICULARS:
100' FNL & 393' FEL (SEC. 20)
UNIT LINE PERPENDICULARS:
100' FNL & 393' FEL
Bottom Hole Location:
COORDINATES:
NAD 27 TX-C ZONE:
X = 1608636.10 Y = 581200.42
LAT.: N 31°15'31.29" LONG.: W 101°35'09.22"
LAT.: N 31.2586915 LONG.: W 101.5858957
NAD 83 TX-C ZONE:
X = 1905104.14 Y = 10423777.21
LAT.: N 31°15'31.83" LONG.: W 101°35'10.65"
LAT.: N 31.2588429 LONG.: W 101.5862929
SURVEY LINE PERPENDICULARS:
12' FNL & 395' FEL (SEC. 20)
UNIT LINE PERPENDICULARS:
12' FNL & 395' FEL

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			

SPECIAL NOTES:

=====	Unit Boundary
=====	Section Lines
=====	Black 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) 767-1863 • FAX (432) 882-1743
WWW.TOPOGRAPHIC.COM
Texas FIRM Registration NO. 10042500
AD_UNIVERSITY_9_2901WB

STATE OF TEXAS
REGISTERED
WILLIAM J. KEATING
6041
PROFESSIONAL
LAND SURVEYOR

SEM OPERATING COMPANY LLC

UNIVERSITY 9 #2901WB "AS-DRILLED"
TOPOGRAPHY & VEGETATION:
NATURAL MESQUITE PASTURE
NEAREST TOWN IN COUNTY:
±8.1 MILES NORTHWEST OF BIG LAKE, TEXAS

LOCATION DESCRIPTION:
SHL/PP/FTP: SECTION 29, BLOCK 9, UNIVERSITY LANDS SURVEY
LTP/BHL: SECTION 20, BLOCK 9, UNIVERSITY LANDS SURVEY
REAGAN COUNTY, TEXAS

Scale: 1" = 1000' Surveyed: 12-14-2017 ORIGINAL DOC. SIZE: 11"x17"

COGO: 519-89429 Drawn By: IG; 12-15-2017