



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 12/21/2017
Tracking No.: 179793

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.: 42-383-39819
Well No.: 1207WA
Lease Name: UNIVERSITY 09C
RRC Lease No.: 18623
Location: Section: 12, Block: 9, Survey: UL, Abstract:

Latitude: 31.28693
Longitude: -101.65932
This well is located 13.5 miles in a NW direction from BIG LAKE, TX, 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: 07/09/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	02/28/2017	823577
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 04/10/2017	Date of first production after rig released: 07/09/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 04/09/2017	Date plug back, deepening, recompletion, or drilling operation ended: 05/02/2017
Number of producing wells on this lease in this field (reservoir) including this well: 3	Distance to nearest well in lease & reservoir (ft.): 1980.0
Total number of acres in lease: 4926.74	Elevation (ft.): 2631 GL
Total depth TVD (ft.): 8101	Total depth MD (ft.): 18914
Plug back depth TVD (ft.): 8101	Plug back depth MD (ft.): 18914
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 72.0
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: 600.0 Feet from the North Line and 2310.0 Feet from the East Line of the UNIVERSITY 9C 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.): 500.0	Date: 03/02/2017	
SWR 13 Exception	Depth (ft.):		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of test: 09/19/2017		Production method: Flowing	
Number of hours tested: 24		Choke size: OPEN	
Was swab used during this test? No		Oil produced prior to test: 19538.00	
PRODUCTION DURING TEST PERIOD:			
Oil (BBLs): 576.00		Gas (MCF): 382	
Gas - Oil Ratio: 663		Flowing Tubing Pressure: 240.00	
Water (BBLs): 1093			
CALCULATED 24-HOUR RATE			
Oil (BBLs): 576.0		Gas (MCF): 382	
Oil Gravity - API - 60.: 42.4		Casing Pressure: 240.00	
Water (BBLs): 1093			

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	578			C	630	838.0	SURF ACE	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	7385			C, H	1630	3314.0	50	Calculation
3	Conventional Production	5 1/2	8 3/4	18914			CJ916	3785	5623.0	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	7449	7449 / AS1 - X-PACKER

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 8521	18818.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		Yes	
Is well equipped with a downhole actuation sleeve?		No	
		If yes, actuation pressure (PSIG):	
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 3000		Actual maximum pressure (PSIG) during hydraulic fracturing: 2500	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		Yes	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)

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	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	2000.0	2000.0	Yes	ISOLATED BY CEMENT	
SPRABERRY	Yes	7115.0	7115.0	Yes	ISOLATED BY CEMENT	
WOLFCAMP	Yes	8136.0	8136.0	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: 7,489

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2017-09-29 11:40:59.504] EDL=10252 feet, max acres=400, 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 Name: Mandi Prince

Title: Regulatory Assistant

Telephone No.: (903) 705-0829

Date Certified: 10/04/2017



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

WELL INFORMATION					
District No.: 7C		County: REAGAN			
Well No.: 1207WA		API No.: 883-84819		Drilling Permit No.: 823527	
Lease Name: UNIVERSITY BC		Lease No.: 18423			
Field Name: Lin Wolfcamp		Field No.: 63413150			

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.): 578		Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 13 3/8		Casing weight (lbs/ft) and grade: J-55 54		No. of centralizers used: 10	
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.): 578	
				Top of liner (ft.):	
				Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out: 94		Calculated top of cement (ft.): surface		Cementing date: 04/11/17	

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	630	C	See Remarks	838	1206
2					
3					
Total	630			838	1206

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

Tail:Class CJ912+1%CJ110+.25pps CJ600 (Circulated:52 bbls of Cement To Surface)(219 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

Name and title of cementer's representative

Cementing Company

Signature

8001 West Industrial Avenue

Midland, TX 79706

432-561-5822

04/11/2017

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

905252 Loop 323, Suite 777 Tyler TX 75701

903-705-0829

04-25-17

Address

City, State, Zip Code

Tel: Area Code Number

Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
To plug and abandon a well, operators must use only cements 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 cements 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
Cementer Name: C&J Energy Services

Operator P-5 No.:
Cementer P-5 No.: 120531

WELL INFORMATION

District No.: 7C County: REAGAN
Well No.: 1207WA API No.: 383,39819 Drilling Permit No.: 83577
Lease Name: University 9C Lease No.: 15623
Field Name: Lin Wolfcamp Field No.: 3613750

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☒ Intermediate ☐ Liner ☐ Production
Drilled hole size (in.): 12 1/4 Depth of drilled hole (ft.): 7385 Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 9 5/8 Casing weight (lbs/ft) and grade: J-55, 40 No. of centralizers used: 46
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.): 7385 Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): 50 Cementing date: 04-21-17

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1030	CLASS C	see additives	2564	8186
2	600	CLASS H	see additives	750	2394
3					
Total	1630			3314	10580

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:
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:
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:CJ912+5%CJ111(BWOW)+10%CJ020+3LB/SKCJ610+0.25 LB/SK CJ600+0.3%CJ211 TAIL SLURRY 50:50 CJ010:CJ916+2%CJ020+0.2%CJ501+0.25%CJ210F

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JESUS LOPEZ

C&J Energy Services

[Signature]
Signature

Name and title of cementer's representative

Cementing Company

8001 W. Industrial AVE.

Midland, TX 79706

(432)561-5822

04-21-17

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

909452 Loop 323, Suite 777

Tyler TX 75701

9037050829

09-25-17

Address

City,

State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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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_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.
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- 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 *SEM Operating Co LLC* Operator P-5 No.: *706370*
Cementer Name: C & J ENERGY SERVICES Cementer P-5 No.: 120532

WELL INFORMATION

District No.: *7C* County: REAGAN
Well No.: 1207WA API No.: *383-39819* Drilling Permit No.: *823577*
Lease Name: UNIVERSITY 9C Lease No.: *18625*
Field Name: *Lin Wolfcamp* Field No.: *53613750*

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☒ Production
Drilled hole size (in.): *8 3/4* Depth of drilled hole (ft.): *18914* 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* No. of centralizers used: *170*
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.): *18914* Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): *surface* Cementing date: 5-2-17

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	585	CJ916	SEE REMARKS	1463	5792
2	3200	CJ916	SEE REMARKS	4160	16492
3					
Total	3785			5623	22284

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:CJ916+5% CJ111+10% CJ020+0.45% CJ210F TAIL = 50:50:CJ010-87:CJ916+2% CJ020+0.25% CJ511+0.1% CJ725+0.15% CJ210F CIRCULATED 79 BBLs/ 177 SX 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.

Carlos A Palomo 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

5-2-17

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

909 552 Loop 323, Suite 177 Tyler TX 75701

9037050829

09-25-17

Address

City,

State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&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.

Tracking No.: 179793

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: 07/09/2017
Field Name LIN (WOLFCAMP)	Drilling Permit No. 823577	
Lease Name UNIVERSITY 09C	Lease/ID No. 18623	Well No. 1207WA
County REAGAN	API No. 42- 383-39819	

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

09/26/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-

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.: 179793

1. Field name exactly as shown on proration schedule LIN (WOLFCAMP)		2. Lease name as shown on proration schedule UNIVERSITY 09C					
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 18623	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) 1207WA					
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 checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)		11. Effective Date 07/09/2017			
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
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 _____ 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.							
SEM OPERATING COMPANY LLC Name (print) Regulatory Assistant Title mprince@sequitirenergy.com E-mail Address (optional)				Mandi Prince Signature <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G) _____ Date 09/26/2017 Phone with area code (903) 705-0829			

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 02 March 2017**GAU Number:** 168271**Attention:** SEM OPERATING COMPANY
SUITE 1850
HOUSTON, TX 77042**Operator No.:** 766370**API Number:** 38339818
County: REAGAN
Lease Name: UNIVERSITY 9C
Lease Number:
Well Number: 1201WB
Total Vertical Depth: 10000
Latitude: 31.286890
Longitude: -101.652982
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-9; Section-12

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

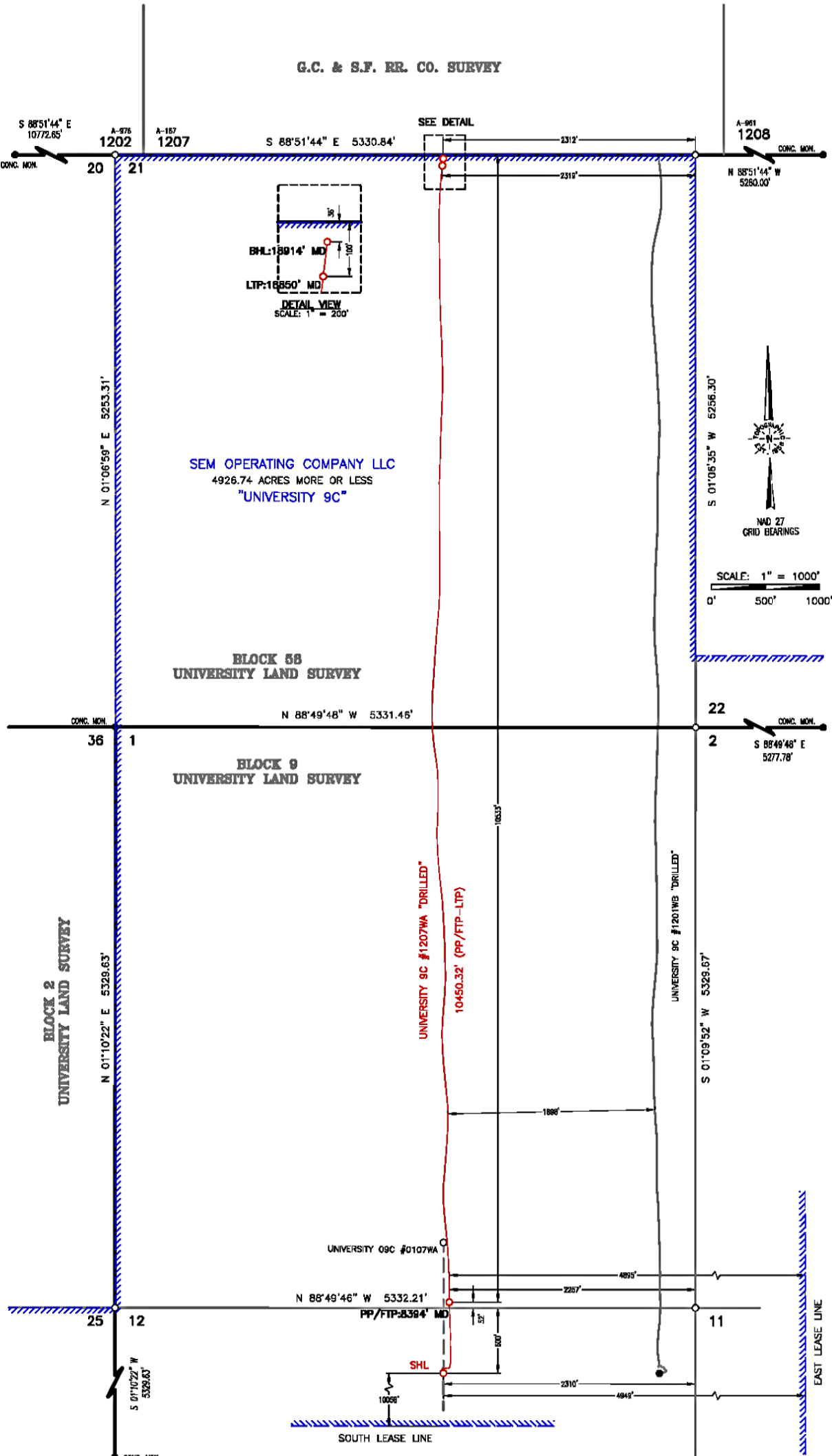
The interval from the land surface to a depth of 500 feet must be protected.

This recommendation is applicable to all wells within a radius of 2000 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 03/01/2017. 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



Surface Hole Location:
GROUND ELEVATION:
SHL Ground Elevation: 2631'
COORDINATES:
NAD 27 TX-C ZONE:
X = 1585818.11 Y = 591738.70
LAT.: N 31°17'12.97" LONG.: W 101°39'33.55"
LAT.: N 31.2869370 LONG.: W 101.6593201
NAD 83 TX-C ZONE:
X = 1882286.12 Y = 10434315.38
LAT.: N 31°17'13.51" LONG.: W 101°39'34.99"
LAT.: N 31.2870869 LONG.: W 101.6597191
SURVEY LINE PERPENDICULARS:
600' FNL & 2310' FEL (SEC. 12)
UNIT LINE PERPENDICULARS:
10058' FSL & 4949' FEL

**Penetration Point/
First Take Point:**
COORDINATES:
NAD 27 TX-C ZONE:
X = 1585884.72 Y = 592389.67
LAT.: N 31°17'19.42" LONG.: W 101°39'32.87"
LAT.: N 31.2867289 LONG.: W 101.6591317
NAD 83 TX-C ZONE:
X = 1882352.74 Y = 10434966.35
LAT.: N 31°17'19.96" LONG.: W 101°39'34.31"
LAT.: N 31.2868787 LONG.: W 101.6595307
SURVEY LINE PERPENDICULARS:
52' FSL & 2257' FEL (SEC. 1)
UNIT LINE PERPENDICULARS:
10533' FNL & 4895' FEL

Last Take Point:
COORDINATES:
NAD 27 TX-C ZONE:
X = 1586029.22 Y = 602821.69
LAT.: N 31°19'02.69" LONG.: W 101°39'32.64"
LAT.: N 31.3174137 LONG.: W 101.6590671
NAD 83 TX-C ZONE:
X = 1882497.26 Y = 10445398.37
LAT.: N 31°19'03.23" LONG.: W 101°39'34.08"
LAT.: N 31.3175626 LONG.: W 101.6594662
SURVEY LINE PERPENDICULARS:
100' FNL & 2319' FEL (SEC. 21)
UNIT LINE PERPENDICULARS:
100' FNL & 2319' FEL

Bottom Hole Location:
COORDINATES:
NAD 27 TX-C ZONE:
X = 1586037.90 Y = 602885.09
LAT.: N 31°19'03.32" LONG.: W 101°39'32.55"
LAT.: N 31.3175883 LONG.: W 101.6590417
NAD 83 TX-C ZONE:
X = 1882505.94 Y = 10445461.77
LAT.: N 31°19'03.85" LONG.: W 101°39'33.99"
LAT.: N 31.3177372 LONG.: W 101.6594408
SURVEY LINE PERPENDICULARS:
36' FNL & 2312' FEL (SEC. 21)
UNIT LINE PERPENDICULARS:
36' FNL & 2312' FEL

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

REV#	BY	DATE REVISED	REV#	BY	DATE REVISED

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 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_9C_1207WA



SEM OPERATING COMPANY LLC

LEASE NAME & WELL NO.:
UNIVERSITY 9C #1207WA "AS-DRILLED"
TOPOGRAPHY & VEGETATION:
NATURAL MESQUITE PASTURE
NEAREST TOWN IN COUNTY:
±13.5 MILES NORTHWEST OF BIG LAKE, TEXAS

LOCATION DESCRIPTION:
SHL: SECTION 12, BLOCK 9, UNIVERSITY LAND SURVEY
PP/FTP: SECTION 1, BLOCK 9, UNIVERSITY LAND SURVEY
LTP/BHL: SECTION 21, BLOCK 58, UNIVERSITY LAND SURVEY
REAGAN COUNTY, TEXAS

Scale: 1" = 1000' Surveyed: 12-30-2016 ORIGINAL DOC. SIZE: 11"x17"

COGO: 519-89429 Drawn By: MV; 09/27/17