



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 07/27/2015
Tracking No.: 132656

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Operator	SHERIDAN PRODUCTION COMPANY, LLC	Operator	775854
Operator	1360 POST OAK BLVD, STE 2500 HOUSTON, TX 77056-3030		

WELL INFORMATION

API	42-003-46321	County:	ANDREWS
Well No.:	3009	RRC District	08
Lease	UNIVERSITY CONS. IV	Field	FULLERTON (8500)
RRC Lease	46518	Field No.:	33230900
Location	Section: 30, Block: 13, Survey: UL, Abstract: U422		
Latitude	Longitude		
This well is 15 miles in a NW direction from ANDREWS, which is the nearest town in the			

FILING INFORMATION

Purpose of	Initial Potential		
Type of	New Well		
Well Type:	Producing	Completion or Recompletion	01/14/2015
<u>Type of Permit</u>		<u>Date</u>	<u>Permit No.</u>
Permit to Drill, Plug Back, or		09/09/2014	786929
Rule 37 Exception			
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION

Spud	12/10/2014	Date of first production after rig	01/14/2015
Date plug back, deepening, drilling operation	12/10/2014	Date plug back, deepening, recompletion, drilling operation	01/14/2015
Number of producing wells on this lease this field (reservoir) including this	2	Distance to nearest well in lease & reservoir	626.0
Total number of acres in	482.48	Elevation	3316 RKB
Total depth TVD	8800	Total depth MD	
Plug back depth TVD	8760	Plug back depth MD	
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	24.0 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Combo of Induction/Neutron/Density		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	330.0 Feet from the North Line and 408.0 Feet from the West Line of the UNIVERSITY CONSOLIDATED IV Lease.	Off Lease :	No

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

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

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	1550.0	Date 05/22/2014
SWR 13 Exception	Depth		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of	01/23/2015	Production Pumping
Number of hours	24	Choke
Was swab used during this	No	Oil produced prior to
PRODUCTION DURING TEST PERIOD:		
Oil	17.00	Gas 1
Gas - Oil	58	Flowing Tubing
Water	2187	
CALCULATED 24-HOUR RATE		
Oil	17.0	Gas 1
Oil Gravity - API - 60.:	32.0	Casing
Water	2187	

CASING RECORD											
Ro	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size (in.)	Size	Depth	Stage Tool	Stage Shoe	Class	Amoun	Volume (cu.	Cement (ft.)	Determined By
1	Surface	9 5/8	12 1/4	1685			CLASS C	625	1050.0	1611	Calculation
2	Conventional Production	7	7 7/8	8800			CLASS C	1030	2488.0	1800	Cement Evaluation Log

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>
1	2 7/8	8513	
		<u>Packer Depth (ft.)/Type</u>	
		/	

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L 8617	8730.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		No	
Is well equipped with a downhole sleeve?		No	
		If yes, actuation pressure	
Production casing test pressure (PSIG) during hydraulic fracturing		Actual maximum pressure (PSIG) during fracturin	
Has the hydraulic fracturing fluid disclosure been		No	
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
1	Acid	6000 GALS 15% HYDROCHLORIC ACID W/120 BALLS	8617 8730

FORMATION RECORD					
<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
YATES	No			No	NOT ENCOUNTERED
SEVEN RIVERS	No			No	NOT ENCOUNTERED
QUEEN	No			No	NOT ENCOUNTERED
GRAYBURG	No			No	NOT ENCOUNTERED
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4396.0		Yes	
HOLT	No			No	NOT ENCOUNTERED
GLORIETA	Yes	5216.0		Yes	
TUBB	Yes	6517.0		Yes	
LOWER CLEARFORK	Yes	6588.0		Yes	
CLEARFORK	Yes	5614.0		Yes	
PERMIAN DETRITAL	Yes	8143.0		Yes	
LEON	No			No	NOT ENCOUNTERED
WICHITA ALBANY	Yes	7207.0		Yes	
SPRABERRY	No			No	NOT ENCOUNTERED
DEAN	No			No	NOT ENCOUNTERED
WOLFCAMP	Yes	8088.0		Yes	
CANYON	No			No	NOT ENCOUNTERED
PENNSYLVANIAN	No			No	NOT ENCOUNTERED
MCKEE	No			No	NOT ENCOUNTERED
STRAWN	No			No	NOT ENCOUNTERED
FUSSELMAN	No			No	NOT ENCOUNTERED
DEVONIAN	Yes	8227.0		Yes	
SILURIAN	No			No	NOT ENCOUNTERED
ELLENBURGER	No			No	NOT ENCOUNTERED
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm					Yes
Is the completion being downhole commingled			No		

REMARKS

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

POTENTIAL TEST DATA:
NEW WELL COMPLETION

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

POTENTIAL TEST DATA:

NEW WELL COMPLETION

OPERATOR'S CERTIFICATION

Printed	Mary Sutton
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Telephone (432) 253-7966

Title: Regulatory Analyst

Date 07/24/2015



RAILROAD COMMISSION OF TEXAS

1701 N Congress
P.O. Box 12967
Austin, Texas 78703-2967

Form W-15

Rev. 08/2014

CEMENTING REPORT

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

Operator Name:	SHERIDAN PRODUCTION COMPANY	Operator P-S No.:	775564
Cementer Name:	JESUS A. BENAVIDES	Cementer P-S No.:	
District No.:	8	County:	ANDREWS
Well No.:	#3009	API No.:	003-46321
Lease Name:	UNIVERSITY CONSOLIDATION IV	Drilling Permit No.:	786929
Field Name:	Fulkerton	Lease No.:	183319
		Field No.:	33230001

Type of Casing:	<input checked="" type="checkbox"/> Conductor	<input checked="" type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Liner	<input type="checkbox"/> Production
Drilled hole size (in.):	12 1/4	Depth of drilled hole (ft.):	1795	Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):	9 5/8	Casing weight (lbs/ft) and grade:	36	No. of centralizers used:	4
Was cement circulated to ground surface (or bottom of cellar) outside casing?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Setting depth shoe (ft.):		Top of liner (ft.):	
Hrs. waiting on cement before drill-out:	24	Calculated top of cement (ft.):	1611	Setting depth liner (ft.):	
Cementing date: 12/14/2014					

SLURRY					
Slurry No	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	425	CLASS C	REMARKS1	782	2497
2	200	CLASS C	REMARKS2	268	856
Total	625			1050	3353

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

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

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

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



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION

Operator Name: Sheridan Production Operator P-5 No.: 715854
Cement Name: David Caldera Jr. Cementer P-5 No.:

WELL INFORMATION

District No.: 8 County: Andrews
Well No.: #3009 API No: 003-416321 ing Permit No: 186929
Lease Name: University Cons IV Lease No.: 18329
Field Name: Fullerton Field No.: 33230001

I. CASING CEMENTING DATA

Type of Casing: ☐ Conductor ☐ Surface ☐ Intermediate ☒ Liner ☒ Production
Drilled hole size (in.): 7 1/8 Depth of drilled hole (ft.): 8900 Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 4 Casing weight (lbs/ft) and grade: 26 No. of centralizers used: 12
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.): Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 24 Calculated top of cement (ft.): 1800 Cementing date: 12/25/2014

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	720	50/50 H	Remark 1	2110	14033
2	310	50/50 H	Remark 2	378	2516
3					
Total	1030			2488	16549

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 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					

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							
10% Gel + 6/10% SMS + 1/10% C-20 + 5#/sk Ko! Seal + 1/4#/sk Cello-Flake + 5% Salt							
2% Gel + 5/10% FL-17 + 2/10% SMS + 2/10 C-49							

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.

David Caldera Jr. Service Supervisor
Name and title of cementer's representative

O-Tex Pumping
Cementing Company

Signature

2609 E I-20

Midland TX 79706

432-686-8559

12/25/2014

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.

Mary Cook
Typed or printed name of operator's representative

Title

Signature

200 N. Lorraine #530, Midland, TX 432-283-7166 1/8/15
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-15 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 787112967).

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=&p_dloc=&p_dac=&p_dpt=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=&p_dloc=&p_dac=&p_dpt=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.: 132656

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: SHERIDAN PRODUCTION COMPANY, LLC	District No. 08	Completion Date: 01/14/2015
Field Name FULLERTON (8500)	Drilling Permit No. 786929	
Lease Name UNIVERSITY CONS. IV	Lease/ID No. 46518	Well No. 3009
County ANDREWS	API No. 42- 003-46321	

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). _____

Mary Sutton

Signature

SHERIDAN PRODUCTION COMPANY, LLC

Name (print)

Regulatory Analyst

Title

(432) 253-7966

Phone

04/13/2015

Date

-FOR RAILROAD COMMISSION USE ONLY-

Schlumberger

Company: SHERIDAN PRODUCTION COMPANY, LLC

Well: University Consolidated IV #3009

Field: Fullerton

County: Andrews State: Texas

County: Andrews Field: Fullerton Location: 330' FNL & 914' FEL Well: University Consolidated IV #3009 Company: SHERIDAN PRODUCTION COMPANY, LLC	Platform Express				REVISED	
	Compensated Neutron Log					
	Three Detector Litho-Density					
	Location:	330' FNL & 914' FEL Block: 13 Section: 30 Abstract: U422 Survey: UL			Elev.:	K.B. 3316.00 ft G.L. 3298.00 ft D.F. 3315.00 ft
	Permanent Datum:	Ground Level	Elev.:	3298.00 f		
	Log Measured From:	Kelly Bushing	18.00 ft	above Perm.Datum		
	Drilling Measured From:	Kelly Bushing				
	API Serial No.	Block:	Section:	Abstract:		
	42-003-46321	13	30	U422		
Logging Date		23-Dec-2014				
Run Number		1A				
Depth Driller		8800.00 ft				
Schlumberger Depth		8811.00 ft				
Bottom Log Interval		8811.00 ft				
Top Log Interval		1685.00 ft				
Casing Driller Size @ Depth		9.625 in @ 1685.00 ft				
Casing Schlumberger		1685 ft				
Bit Size		8.75 in				
Type Fluid In Hole		Salt Brine				
MUD	Density	Viscosity	10.2 lbm/gal	54 s		
	Fluid Loss	PH	7.4 cm3	9.5		
	Source of Sample		Active Tank			
RM @ Meas Temp		0.08 ohm.m @ 49 degF				
RMF @ Meas Temp		0.05 ohm.m @ 49 degF				
RMC @ Meas Temp						
Source RMF		RMC				
RM @ BHT		RMF @ BHT	0.03 @ 124	0.02 @ 124		
Max Recorded Temperatures		124 degF				
Circulation Stopped Time		23-Dec-2014		14:00:00		
Logger on Bottom Time		23-Dec-2014		23:00:00		
Unit Number	Location:	2136	Midland			
Recorded By		Darren Vandenberg & Danielle Krebs				
Witnessed By		Jennifer Wilson				

Schlumberger

Company: SHERIDAN PRODUCTION COMPANY, LLC

Well: University Consolidated IV #3009

Field: Fullerton

County: Andrews State: Texas

Platform Express

Compensated Neutron Log

Three Detector Litho-Density

REVISEDCounty: Andrews
Field: Fullerton
Location: 330' FNL & 914' FEL
Well: University Consolidated IV #3009
Company: SHERIDAN PRODUCTION COMPANY, LLC

Location:	330' FNL & 914' FEL		Elev.:	K.B.	3316.00 ft
	Block: 13 Section: 30 Abstract: U422			G.L.	3298.00 ft
	Survey: UL			D.F.	3315.00 ft
	Permanent Datum:	Ground Level	Elev.:	3298.00 f	
	Log Measured From:	Kelly Bushing	18.00 ft	above Perm.Datum	
	Drilling Measured From:	Kelly Bushing			
API Serial No.		Block:	Section:	Abstract:	
42-003-46321		13	30	U422	

Logging Date		23-Dec-2014		U422	
Run Number		1A			
Depth Driller		8800.00 ft			
Schlumberger Depth		8811.00 ft			
Bottom Log Interval		8811.00 ft			
Top Log Interval		1685.00 ft			
Casing Driller Size @ Depth		9.625 in @ 1685.00 ft			
Casing Schlumberger		1685 ft			
Bit Size		8.75 in			
Type Fluid In Hole		Salt Brine			
MUD	Density	Viscosity	10.2 lbm/gal	54 s	
	Fluid Loss	PH	7.4 cm3	9.5	
	Source of Sample		Active Tank		
RM @ Meas Temp		0.08 ohm.m @ 49 degF			
RMF @ Meas Temp		0.05 ohm.m @ 49 degF			
RMC @ Meas Temp					
Source RMF		RMC			
RM @ BHT		RMF @ BHT			
		0.03 @ 124	0.02 @ 124		
Max Recorded Temperatures		124 degF			
Circulation Stopped		Time	23-Dec-2014	14:00:00	
Logger on Bottom		Time	23-Dec-2014	23:00:00	
Unit Number	Location:	2136	Midland		
Recorded By		Darren Vandenberg & Danielle Krebs			
Witnessed By		Jennifer Wilson			

Schlumberger

PRODUCTION COMPANY, LLC

Consolidated IV #3009

County:

State:

Texas

County: Andrews Field: Fullerton Location: 330' FNL & 914' FEL Well: University Consolidated IV #3009 Company: SHERIDAN PRODUCTION COMPANY, LLC	Platform Express				REVISED	
	High Resolution Laterolog Array					
	Spectral Gamma Ray					
	Location:	330' FNL & 914' FEL Block: 13 Section: 30 Abstract: U422 Survey: UL			Elev.:	K.B. 3316.00 ft G.L. 3298.00 ft D.F. 3315.00 ft
	Permanent Datum:	Ground Level	Elev.:	3298.00 f		
	Log Measured From:	Kelly Bushing	18.00 ft	above Perm. Datum		
	Drilling Measured From:	Kelly Bushing				
	API Serial No.	Block:	Section:	Abstract:		
	42-003-46321	13	30	U422		
Logging Date		23-Dec-2014				
Run Number		1A				
Depth Driller		8800.00 ft				
Schlumberger Depth		8811.00 ft				
Bottom Log Interval		8811.00 ft				
Top Log Interval		1685.00 ft				
Casing Driller Size @ Depth		9.625 in @ 1685.00 ft				
Casing Schlumberger		1685 ft				
Bit Size		8.75 in				
Type Fluid In Hole		Salt Brine				
MUD	Density	Viscosity	10.2 lbm/gal	54 s		
	Fluid Loss	PH	7.4 cm3	9.5		
	Source of Sample					
RM @ Meas Temp		0.08 ohm.m @ 49 degF				
RMF @ Meas Temp		0.05 ohm.m @ 49 degF				
RMC @ Meas Temp						
Source RMF		RMC				
RM @ BHT		RMF @ BHT	0.03 @ 124	0.02 @ 124		
Max Recorded Temperatures		124 degF				
Circulation Stopped		Time	23-Dec-2014 14:00:00			
Logger on Bottom		Time	23-Dec-2014 23:00:00			
Unit Number	Location:	2136	Midland			
Recorded By		Darren Vandenberg & Danielle Krebs				
Witnessed By		Jennifer Wilson				

Schlumberger

Company: SHERIDAN PRODUCTION COMPANY, LLC

Well: University Consolidated IV #3009

Field: Fullerton

County: Andrews State: Texas

County: Andrews		Field: Fullerton		Location: 330' FNL & 914' FEL		Well: University Consolidated IV #3009		Company: SHERIDAN PRODUCTION COMPANY, LLC	
Borehole Profile Log									
Future Casing Diameter = 7"									
REVISED									
Location:		330' FNL & 914' FEL				Elev.: K.B. 3316.00 ft			
		Block: 13 Section: 30 Abstract: U422				G.L. 3298.00 ft			
		Survey: UL				D.F. 3315.00 ft			
		Permanent Datum:		Ground Level		Elev.:		3298.00 f	
		Log Measured From:		Kelly Bushing		18.00 ft		above Perm.Datum	
		Drilling Measured From:		Kelly Bushing					
API Serial No.		Block:		Section:		Abstract:			
42-003-46321		13		30		U422			
Logging Date		23-Dec-2014							
Run Number		1A							
Depth Driller		8800.00 ft							
Schlumberger Depth		8811.00 ft							
Bottom Log Interval		8811.00 ft							
Top Log Interval		1685.00 ft							
Casing Driller Size @ Depth		9.625 in @ 1685.00 ft							
Casing Schlumberger		1685 ft							
Bit Size		8.75 in							
Type Fluid In Hole		Salt Brine							
MUD	Density	Viscosity	10.2 lbm/gal	54 s					
	Fluid Loss	PH	7.4 cm3	9.5					
	Source of Sample		Active Tank						
RM @ Meas Temp		0.08 ohm.m @ 49 degF							
RMF @ Meas Temp		0.05 ohm.m @ 49 degF							
RMC @ Meas Temp									
Source RMF		RMC							
RM @ BHT		RMF @ BHT		0.03 @ 124	0.02 @ 124				
Max Recorded Temperatures		124 degF							
Circulation Stopped Time		23-Dec-2014 14:00:00							
Logger on Bottom Time		23-Dec-2014 23:00:00							
Unit Number		Location:		2136	Midland				
Recorded By		Darren Vandenberg & Danielle Krebs							
Witnessed By		Jennifer Wilson							

Schlumberger

Company: SHERIDAN PRODUCTION COMPANY, LLC

Well: University Consolidated IV #3009

Field: Fullerton

County: Andrews Country: USA

County: Andrews Field: Fullerton Location: 330' FNL & 914' FEL Well: University Consolidated IV #3009 Company: SHERIDAN PRODUCTION COMPANY, LLC	Borehole Compensated Sonic				REVISED
	Spectral Gamma Ray				
	Location:	330' FNL & 914' FEL		Elev.: K.B. 3316.00 ft	
		Block: 13 Section: 30 Abstract: U422		G.L. 3298.00 ft	
		Survey: UL		D.F. 3315.00 ft	
Permanent Datum: Ground Level		Elev.: 3298.00 f			
	Log Measured From: Kelly Bushing		18.00 ft above Perm.Datum		
	Drilling Measured From: Kelly Bushing				
	API Serial No. 42-003-46321	Block: 13	Section: 30	Abstract: U422	
Logging Date		23-Dec-2014			
Run Number		1A			
Depth Driller		8800.00 ft			
Schlumberger Depth		8811.00 ft			
Bottom Log Interval		8811.00 ft			
Top Log Interval		1685.00 ft			
Casing Driller Size @ Depth		9.625 in @ 1685.00 ft			
Casing Schlumberger		1685 ft			
Bit Size		8.75 in			
Type Fluid In Hole		Salt Brine			
MUD	Density	Viscosity	10.2 lbm/gal	54 s	
	Fluid Loss	PH	7.4 cm3	9.5	
	Source of Sample				
RM @ Meas Temp		0.08 ohm.m @ 49 degF			
RMF @ Meas Temp		0.05 ohm.m @ 49 degF			
RMC @ Meas Temp					
Source RMF		RMC			
RM @ BHT		RMF @ BHT		0.03 @ 124 0.02 @ 124	
Max Recorded Temperatures		124 degF			
Circulation Stopped Time		23-Dec-2014 14:00:00			
Logger on Bottom Time		23-Dec-2014 23:00:00			
Unit Number	Location:		2136	Midland	
Recorded By		Darren Vandenberg & Danielle Krebs			
Witnessed By		Jennifer Wilson			

Schlumberger

Company: SHERIDAN PRODUCTION COMPANY, LLC

Well: University Consolidated IV #3009

Field: Fullerton

County: Andrews State: Texas

County: Andrews Field: Fullerton Location: 330' FNL & 914' FEL Well: University Consolidated IV #3009 Company: SHERIDAN PRODUCTION COMPANY, LLC	TCOM			
	REVISED			
	Location: 330' FNL & 914' FEL Block: 13 Section: 30 Abstract: U422 Survey: UL		Elev.: K.B. 3316.00 ft G.L. 3298.00 ft D.F. 3315.00 ft	
	Permanent Datum: Ground Level Log Measured From: Kelly Bushing Drilling Measured From: Kelly Bushing		Elev.: 3298.00 f 18.00 ft above Perm.Datum	
API Serial No. 42-003-46321		Block: 13	Section: 30	Abstract: U422
Logging Date		23-Dec-2014		
Run Number		1A		
Depth Driller		8800.00 ft		
Schlumberger Depth		8811.00 ft		
Bottom Log Interval		8811.00 ft		
Top Log Interval		1685.00 ft		
Casing Driller Size @ Depth		9.625 in @ 1685.00 ft		
Casing Schlumberger		1685 ft		
Bit Size		8.75 in		
Type Fluid In Hole		Salt Brine		
MUD	Density	Viscosity	10.2 lbm/gal	54 s
	Fluid Loss	PH	7.4 cm3	9.5
	Source of Sample			
RM @ Meas Temp		0.08 ohm.m @ 49 degF		
RMF @ Meas Temp		0.05 ohm.m @ 49 degF		
RMC @ Meas Temp				
Source RMF		RMC		
RM @ BHT		RMF @ BHT	0.03 @ 124	0.02 @ 124
BHT Temperatures		124 degF		
Time		23-Dec-2014 14:00:00		
		22-Dec-2014 23:00:00		
		Midland		
		Wrahs		

Schlumberger

Company: SHERIDAN PRODUCTION COMPANY, LLC

Well: University Consolidated IV #3009

Field: Fullerton

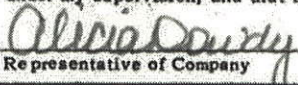
County: Andrews State: Texas

County: Andrews Field: Fullerton Location: 330' FNL & 914' FEL Well: University Consolidated IV #3009 Company: SHERIDAN PRODUCTION COMPANY, LLC	Spectral Gamma Ray			
	FIELD PRINT			
	Location: 330' FNL & 914' FEL Block: 13 Section: 30 Abstract: U422 Survey: UL		Elev.: K.B. 3316.00 ft G.L. 3298.00 ft D.F. 3315.00 ft	
	Permanent Datum: Ground Level Log Measured From: Kelly Bushing Drilling Measured From: Kelly Bushing		Elev.: 3298.00 f 18.00 ft above Perm.Datum	
API Serial No. 42-003-46321		Block: 13	Section: 30	Abstract: U422
Logging Date		23-Dec-2014		
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Casing Schlumberger		1685 ft		
Bit Size		8.75 in		
Type Fluid In Hole		Salt Brine		
MUD	Density	Viscosity	10.2 lbm/gal	54 s
	Fluid Loss	PH	7.4 cm3	9.5
	Source of Sample			
RM @ Meas Temp		0.08 ohm.m @ 49 degF		
RMF @ Meas Temp		0.05 ohm.m @ 49 degF		
RMC @ Meas Temp				
Source RMF		RMC		
RM @ BHT		RMF @ BHT	0.03 @ 124	0.02 @ 124
Max Recorded Temperatures		124 degF		
Circulation Stopped		Time	23-Dec-2014	14:00:00
Logger on Bottom		Time	23-Dec-2014	23:00:00
Unit Number	Location:		2136	Midland
Recorded By		Darren Vandenberg & Danielle Krebs		
Witnessed By		Jennifer Wilson		

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION
CERTIFICATE OF COMPLIANCE STATEWIDE RULE 36**

FORM H-9
12/12/77

FILE WITH
DISTRICT OFFICE
IN TRIPLICATE

1. Operator SHERIDAN PRODUCTION COMPANY, LLC			2. Operator Number (See Instruction 13) 775854		3. RRC Dist. 08	
4. Street or P.O. Box No. 9 GREENWAY PLAZA SUITE 1300			5. City HOUSTON		6. State TX	
7. Zip Code 77046			8. Name of Lease, Facility or Operation SEE BELOW		9. Field or Area Name FULLERTON	
10. County ANDREWS			11. General Operation Type - Circle One: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><input checked="" type="radio"/> A - Oil Field Production</p> <p><input type="radio"/> C - Pipeline or Gathering Sys.</p> <p><input type="radio"/> E - Drilling or Workover</p> <p><input type="radio"/> G - Combination (explain)</p> </div> <div style="width: 45%;"> <p><input type="radio"/> B - Gas Field Production</p> <p><input type="radio"/> D - Gasoline Plant</p> <p><input type="radio"/> F - Sweetening Unit</p> <p><input type="radio"/> H - Other (explain)</p> </div> </div>			
12. RRC ID# of Operation(s) to be Covered by This Certificate			Type ID Code (See Instruction 12)		Indicate if Filing for Storage Facility Only	
			YES		NO	
UNIVERSITY CONS. IV			AP4			
18399			1		✓	
UNIVERSITY CONS. V			AP4			
18727			1		✓	
UNIVERSITY COS. VII			AP4			
18278			1		✓	
UNIVERSITY 7A 27695			1 AP4		✓	
13. Hydrogen Sulfide Concentration 10,000 PPM			14. Maximum Escape Volume 32 MCF/Day			
15. 100 PPM Radius of Exposure (ROE) 49 Ft.			16. 500 PPM Radius of Exposure (ROE) 23 Ft.			
17. Operation is Existing <input checked="" type="checkbox"/> New <input type="checkbox"/>			18. Modification Resulting in Certificate Change		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
19. Workover or Drilling Well with 100 PPM ROE Greater than 3000' feet on Rule 36 Certified Well/Lease					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
20. Previous Certificate Number if Available (For Amended Certificates)						
21. The 100 PPM ROE includes any part of a public area except a public road					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
22. The 500 PPM ROE includes any part of a public road					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
23. Injection of fluid containing Hydrogen Sulfide (See Instruction 14)					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
24. Date (or Depth) of Compliance with all applicable provisions of Rule 36			11/20/13		Mo Day Year	
Depth of Compliance for Drilling Operation					Ft. from Surface	
25. Contingency Plan Location of Plan (See Instruction 15)			Has been prepared		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
26. Location of data used to prepare this certificate (See Instruction 15) TCSAFETY, INC. 3800 N. FM 1788, MIDLAND, TX 79707						
CERTIFICATE						
I declare under penalties prescribed in Section 91.143, Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision, and that I am qualified to make this certification by virtue of my training and experience, and by my analysis of the operation being certified, or by the analysis of qualified person working under my supervision, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.						
 Representative of Company			REPRESENTATIVE Title		(432) 550-0600 Phone No.	
					11/20/13 Date	

RAILROAD COMMISSION USE ONLY

This operation and the equipment used therein is approved on the basis of the above certification and is subject to further Commission audit for compliance with the required provisions of Statewide Rule 36. This approval may be cancelled if investigation determines that the operation does not comply with the provisions of Statewide Rule 36.

APPROVED BY: _____

DATE: _____

REMARKS: _____

CERTIFICATION NUMBER: _____

Clear Form

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.: 132656

1. Field name exactly as shown on proration schedule FULLERTON (8500)		2. Lease name as shown on proration schedule UNIVERSITY CONS. IV					
3. Current operator name exactly as shown on P-5 Organization Report SHERIDAN PRODUCTION COMPANY, LLC		4. Operator P-5 no. 775854	5. Oil Lse/Gas ID no 46518	6. County ANDREWS	7. RRC district 08		
8. Operator address including city, state, and zip code 1360 POST OAK BLVD, STE 2500 HOUSTON, TX 77056-3030		9. Well no(s) (see instruction E) 3009			11. Effective Date 01/14/2015		
		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 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)							
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	OCCIDENTAL PERMIAN LTD.(617544)			0001	100.0	
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	
SENTINEL TRANSPORTATION, LLC(767500)						100.0	
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>07/27/2015</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. <div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Name of Previous Operator</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Name (print)</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Title</div></div><div style="width: 45%;"><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Signature</div><div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Authorized Employee of previous operator</div><div><input type="checkbox"/> Authorized agent of previous operator (see instruction G)</div></div><div style="display: flex; justify-content: space-between;"><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Date</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Phone with area code</div></div></div></div>							
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. <div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><div style="border-bottom: 1px solid black; margin-bottom: 5px;">SHERIDAN PRODUCTION COMPANY, LLC</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Name (print)</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Regulatory Analyst</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Title</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">msutton@sheridanproduction.com</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">E-mail Address (optional)</div></div><div style="width: 45%;"><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Mary Sutton</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Signature</div><div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> Authorized Employee of current operator</div><div><input type="checkbox"/> Authorized agent of current operator (see instruction G)</div></div><div style="display: flex; justify-content: space-between;"><div style="border-bottom: 1px solid black; margin-bottom: 5px;">07/08/2015</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">(432) 253-7966</div></div><div style="display: flex; justify-content: space-between;"><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Date</div><div style="border-bottom: 1px solid black; margin-bottom: 5px;">Phone with area code</div></div></div></div>							

STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 132656

This facsimile P-15 was generated electronically
from data submitted to the RRC.

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the SHERIDAN PRODUCTION COMPANY, LLC ,

UNIVERSITY CONS. IV , No. 3009 ; that such well is
LEASE OPERATOR WELL

completed in the FULLERTON (8500) Field, ANDREWS County,

Texas and that the acreage claimed, and assigned to such well for proration purposes as authorized by special rule and as shown on the attached certified plat embraces _____

20.0 acres which can reasonably be considered to be productive of hydrocarbons.

- CERTIFICATE -

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge,

Date 07/08/2015 Signature Mary Sutton

Telephone (432) 253-7966 Title Regulatory Analyst
AREA CODE

UNIVERSITY CONS IV ACREAGE LIST

FULLERTON (8500) FIELD

WELL NUMBER	ACRES ASSIGNED
3008	20
3009	20

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Date **May 22, 2014**

GAU File No.: **16710**

***** EXPEDITED APPLICATION *****

API Number **00346321**

Attention: **JOYCE A WILLIAMS**

RRC Lease No. **000000**

SC_775854_00346321_000000_16710.pdf

**SHERIDAN PRODUCTION CO LLC
9 GREENWAY PLAZA
STE 1300
HOUSTON TX 77046**

--Measured--

1349 ft FWL

263 ft FNL

MRL: SECTION

Digital Map Location:

X-coord/Long **102.80400**

Y-coord/Lat **32.35940**

Datum **27**

Zone

P-5# 775854

County **ANDREWS**

Lease & Well No. **UNIVERSITY CONSOLIDATED IV #3009**

Purpose **ND**

Location **SUR-UL, BLK-13, SEC-30, -- [TD=8900], [RRC 8],**

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 250 feet and the ZONE from 1100 feet to 1550 feet must be protected.

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

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,

George Dunfield, P.G.

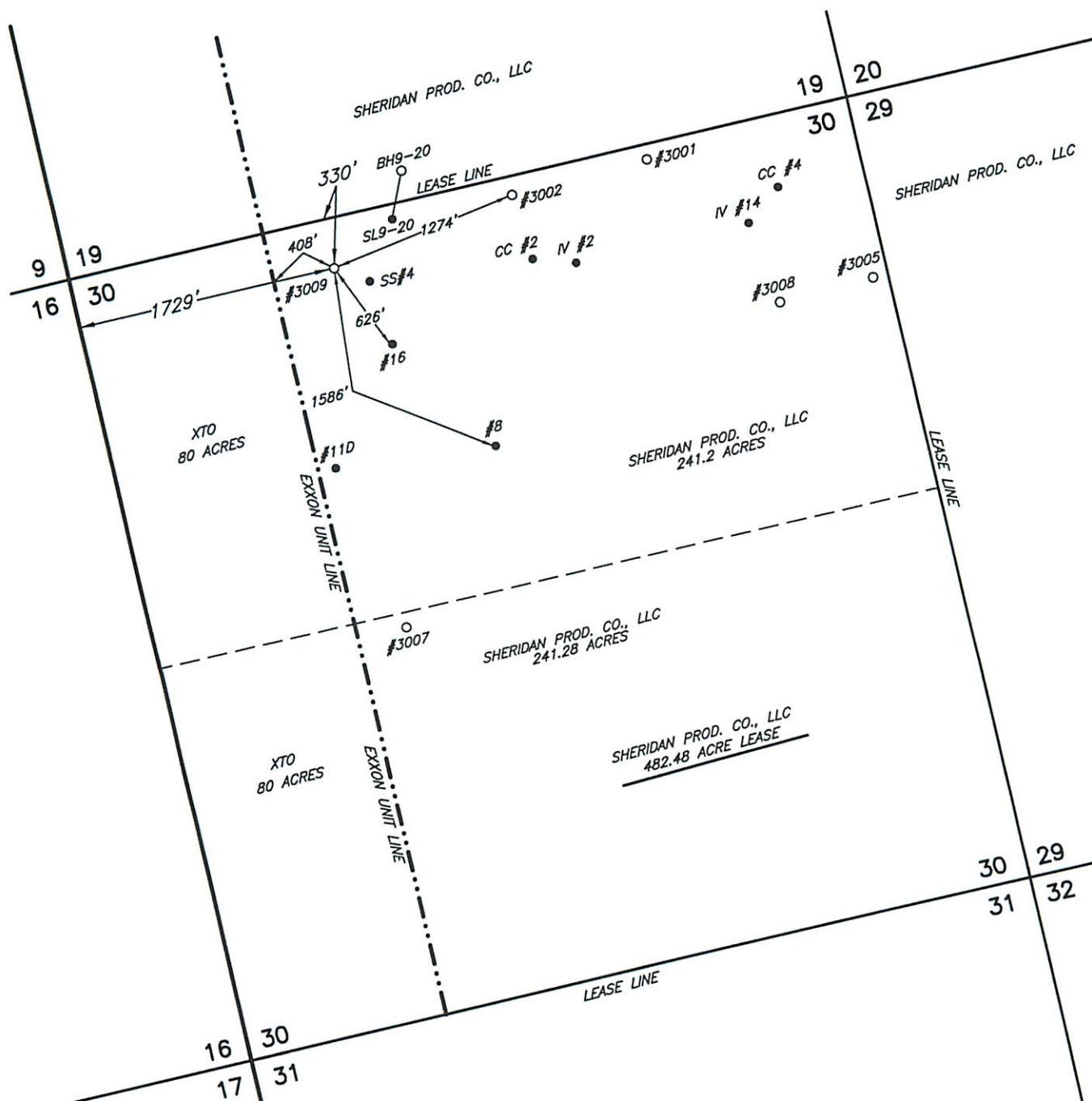
GEOLOGIST SEAL



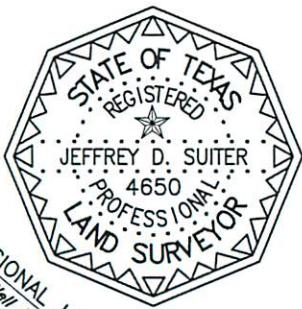
Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by George Dunfield on 5/22/2014
Note: Alteration of this electronic document will invalidate the digital signature.

ANDREWS County, Texas
SL Description 330' FNL & 1729' FWL
SECTION 30, BLOCK 13, UNIVERSITY LAND SURVEY



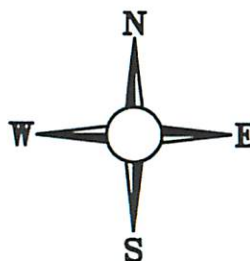
Operator SHERIDAN PRODUCTION COMPANY, LLC Note: For survey construction, corner descriptions and records references, see supporting documents in file.
Lease Name & Well No. UNIVERSITY CONSOLIDATED IV #3009
Ground Elev. 3271' Alternate Location RESTAKE
Coordinates NAD 27 TNC ZONE X = 363373 Y= 293391 LAT.: N 32.359567 LONG.: W 102.802382
NAD 83 TNC ZONE LAT.: N 32.359672 LONG.: W 102.804833
Topography & Vegetation NATURAL PASTURE
Best Accessibility to Location FROM LEASE ROAD 350' SOUTH
Distance & Direction ±15 MILES NORTHWEST OF ANDREWS



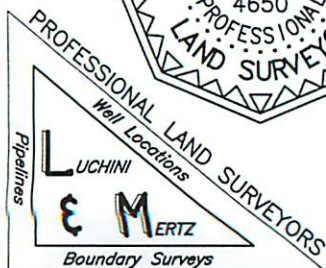
The above sketch represents the location as staked on the ground and is for permit purposes only.

Jeffrey D. Suiter

Registered Professional Land Surveyor No. 4650



SCALE: 1" = 1000'
0' 500' 1000'



June 23, 2014
Job# 140623BRB

P. O. Box 1963 Midland, Texas 79702 (432) 684-6728 Firm# 10086500