



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 01/04/2017
Tracking No.: 161854

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

OPERATOR INFORMATION

Operator Name: OPUS OPERATING II LLC Operator No.: 625171
Operator Address: PO BOX 11403 MIDLAND, TX 79702-0000

WELL INFORMATION

API No.: 42-461-40161 County: UPTON
Well No.: 1 RRC District No.: 7C
Lease Name: UNIVERSITY TAYLOR DRAW 30 Field Name: SHEEP MOUNTAIN (CONSOLIDATED)
RRC Lease No.: 19410 Field No.: 82857300
Location: Section: 30, Block: 4, Survey: UL, Abstract: U66

Latitude: 31.15450 Longitude: -101.78924
This well is located 19.5 miles in a SW
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: 08/09/2016

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	02/19/2016	808681
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 05/01/2016	Date of first production after rig released: 08/09/2016
Date plug back, deepening, recompletion, or drilling operation commenced: 04/29/2016	Date plug back, deepening, recompletion, or drilling operation ended: 05/15/2016
Number of producing wells on this lease in this field (reservoir) including this well: 1	Distance to nearest well in lease & reservoir (ft.): 0.0
Total number of acres in lease: 492.10	Elevation (ft.): 2748 GL
Total depth TVD (ft.): 10480	Total depth MD (ft.):
Plug back depth TVD (ft.): 10379	Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? No	Rotation time within surface casing (hours): 4.0
Recompletion or reclass? No	Is Cementing Affidavit (Form W-15) attached? Yes
Type(s) of electric or other log(s) run: Other	Multiple completion? No
Electric Log Other Description: LITHO DENSITY COMPENSATED NEUTRON LOG	
Location of well, relative to nearest lease boundaries	Off Lease : No
of lease on which this well is located: 1320.0 Feet from the North Line and 600.0 Feet from the West Line of the UNIVERSITY TAYLOR DRAW 30 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.): 700.0	Date: 07/24/2015
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of test: 08/23/2016		Production method: Pumping
Number of hours tested: 24		Choke size:
Was swab used during this test?	No	Oil produced prior to test: 3987.51
PRODUCTION DURING TEST PERIOD:		
Oil (BBLS): 476.10		Gas (MCF): 393
Gas - Oil Ratio: 825		Flowing Tubing Pressure:
Water (BBLS): 210		
CALCULATED 24-HOUR RATE		
Oil (BBLS): 476.1		Gas (MCF): 393
Oil Gravity - API - 60.:	40.0	Casing Pressure:
Water (BBLS): 210		

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	13 3/8	17 1/2	828			PREMIUM PLUS 50/50	845	1319.0	0	Temperature Survey
2	Intermediate	8 5/8	11	4320			PREMIUM PLUS 50/50 POZ	2460	5704.0	0	Circulated to Surface
3	Conventional Production	5 1/2	7 7/8	10480			PREMIUM	1360	2526.6	3342	Cement Evaluation Log

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	7694	/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L 7860	9555.0
2	No	L 9646	9785.0
3	No	L 10010	10080.0

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: 6203		Actual maximum pressure (PSIG) during hydraulic fracturing: 6350	
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.)
1	Fracture	1,438,840# SAND; 38,587 GALS HC-15	7860 10080

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
YATES	Yes	1100.0		Yes	
GRAYBURG	Yes	1600.0		Yes	
SAN ANDRES - SALTWATER FLOW	Yes	2500.0		Yes	
SPRABERRY	Yes	6690.0		Yes	
LOWER SPRABERRY	Yes	7180.0		Yes	
DEAN	Yes	7530.0		Yes	
WOLFCAMP	Yes	7670.0		Yes	
WOLFCAMP B	Yes	8000.0		Yes	
WOLFCAMP C	Yes	8390.0		Yes	
WOLFCAMP D	Yes	8750.0		Yes	
LOWER WOLFCAMP	Yes	9000.0		Yes	
STRAWN	Yes	9318.0		Yes	
PENN	Yes	9510.0		Yes	
TOKEEN MISS	Yes	9646.0		Yes	
DEVONIAN	Yes	10010.0		Yes	
WOODFORD	Yes	10023.0		Yes	
FUSSELMAN	No			No	TVD = 10465
ELLENBURGER	No			No	TVD = 10465
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
SWR10 EXCEPTION APPROVED 11/14/16.

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TEMPERATURE SURVEY RAN AFTER 4 HRS AFTER PRIMARY SURFACE CEMENTING. TOC DECLARED AT 245'.
TOPPED OUT W/ 130 SACKS CEMENT.

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

7860-9555 SHEEP MTN; 9646-9785 TAKEN MISS; 10010-10080 BLK 4 DEVONIAN.

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Connie Swan

Title:

Telephone No.: (918) 621-6533

Date Certified: 12/09/2016

**RAILROAD COMMISSION OF TEXAS**

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

Tr# 161854

Form W-15

Rev. 08/2014

CEMENTING REPORT

Cementer: Fill in shaded areas.

Operator: Fill in other items.

OPERATOR INFORMATION					
Operator Name: Opus Operating II		Operator P-5 No.: 625171			
Cementer Name: Universal Pressure Pumping Inc.		Cementer P-5 No.: 878392			
WELL INFORMATION					
District No.: 7C		County: Upton			
Well No.: 1		API No.: 42-461-40161		Drilling Permit No.: 808681	
Lease Name: University Taylor Draw 30		Lease No.:			
Field Name: SHEEP MOUNTAIN (CONSOLIDATED)		Field No.: 82857300			
I. CASING CEMENT 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.): 828		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.): 13 3/8		Casing weight (lbs/ft) and grade: 48# I-55		No. of centralizers used: 8	
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.): 827.25	
				Top of liner (ft.):	
Hrs. waiting on cement before drill-out: 19.5		Calculated top of cement (ft.): 245		Cementing date: May 1, 2016	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	400	Premium Plus	65:35 POZ + 6% Gel + 1% CaCl ₂ + 2pps KolSeal	728	1048
2	315	Premium Plus	1% CaCl ₂	418.95	603
3					
Total	715			1146.95	1651
II. CASING CEMENT DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> Yes <input type="checkbox"/> No				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	0			0	0
III. CASING CEMENT DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV Tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> Yes <input type="checkbox"/> No				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	0			0	0

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	5/1/2016						
Size of hole or pipe (in.)	13-3/8						
Depth to bottom of tubing or drill pipe (ft.)	828						
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used	130						
Slurry volume pumped (cu. ft.)	172.9						
Calculated top of plug (ft.)	Surface						
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)	14.8						
Class/type of cement	Premium Plus						
Perforate and squeeze (YES/NO)							

REMARKS
Temperature Survey was ran 4hrs after primary surface cementing. TOC was declared at 245ft
Topped out with 130sx.

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.

Cody Groves - Cementing Services Supervisor Universal Pressure Pumping

Name and title of cementer's representative	Cementing Company	Signature
4517 W. Industrial Ave	Midland, Texas, 79703	(432) 699 3271
Address	City, State, Zip Code	Tel. Area Code Number
		Date: Month/Day/Year

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.

Connie Swan	Regulatory Administrator	Signature
Typed or printed name of operator's representative	Title	
P.O. Box 35888	Tulsa OK 74153-0888	918 621-6533
Address	City, State, Zip Code	Tel: Area Code Number
		Date: Month/Day/Year

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 accordance with 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 casing. 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/readtacSext.TacPage?sl=9&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&p_pg=1&p_tac=&ti=16&pt=1&ch=3&ri=14). 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, 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 Cement Data box.



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Tr# 161854

Form W-15

Rev. 08/2014

CEMENTING REPORT

Cementor: Fill in shaded areas.

Operator: Fill in other items.

OPERATOR INFORMATION					
Operator Name: Opus Operating II		Operator P-5 No.: 625171			
Cementor Name: Universal Pressure Pumping Inc.		Cementor P-5 No.: 878392			
WELL INFORMATION					
District No.: 7C		County: Upton			
Well No.: 1		API No.: 42-461-40161		Drilling Permit No.: 808681	
Lease Name: University Taylor Draw 30		Lease No.:			
Field Name: SHEEP MOUNTAIN (CONSOLIDATED)		Field No.: 82857300			
I. CASING CEMENT DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production					
Drilled hole size (in.): 11		Depth of drilled hole (ft.): 4320		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.): 8 5/8		Casing weight (lbs/ft) and grade: 32# J-55		No. of centralizers used: 35	
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.): 4320	
				Top of liner (ft.):	
				Setting depth liner (ft)	
Hrs. waiting on cement before drill-out: 8		Calculated top of cement (ft.): Surface		Cementing date: May 4, 2016	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	2100	50/50 Prem Plus	50/50 POZ + 10% Gel + 5% Salt + 2#/sk Kolseal + 0.15% CR-1	5229	20968
2	360	Premium Plus	.3% CR-1	475.2	1906
3					
Total	2460			5704.2	22874
II. CASING CEMENT DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> Yes <input type="checkbox"/> No				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	0			0	0
III. CASING CEMENT DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV Tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> Yes <input type="checkbox"/> No				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	0			0	0

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

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.

Cody Groves - Cementing Services Supervisor **Universal Pressure Pumping**

Name and title of cementer's representative

Cementing Company

4517 W. Industrial Ave

Midland, Texas, 79703

(432) 699 3271

Address

City, State, Zip Code

Tel. Area Code Number

Signature

5/4/2016

Date: Month/Day/Year

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.

Connie Swan

Regulatory Administrator

CSwan

Typed or printed name of operator's representative

Title

Signature

P.O. Box 35888

Tulsa, OK 74153-0888

918 621-6533

09/14/2016

Address

City, State, Zip Code

Tel. Area Code Number

Date: Month/Day/Year

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.facPage?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.facPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). 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 the 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 the 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, 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 Cement Data box.



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CEMENTING REPORT

Tr# 161854

Form W-15

Rev. 08/2014

Cementer: Fill in shaded areas.

Operator: Fill in other items.

Operator Name:	Opus Operating II	Operator P-5 No.:	625171
Cementer Name:	Universal Pressure Pumping Inc.	Cementer P-5 No.:	878392
District No.:	7C	County:	Upton
Well No.:	1	API No.:	42-461-40161
		Drilling Permit No.:	808681
Lease Name:	University Taylor Draw 30	Lease No.:	
Field Name:	SHEEP MOUNTAIN (CONSOLIDATED)	Field No.:	82857300

Type of casing:	<input type="checkbox"/> Conductor	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Liner	<input checked="" type="checkbox"/> Production
Drilled hole size (in.):	7 7/8	Depth of drilled hole (ft.):	10480	Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):	5 1/2	Casing weight (lbs/ft) and grade:	17# L80	No. of centralizers used:	
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.):	Top of liner (ft.):
				10480	Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):	3342	Cementing date:	
May 15, 2016					

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	660	Premium 50/50 Poz	10%Gel+%salt+2#sk kolseal+0.1%Cl-8+0.1% Cr-1	1623.6	9368
2	700	Premium 50/50 Poz	2%Gel+3%salt+Kolseal+0.35%Cl+0.2% Cr-1	903	5210
3					
Total	1360			2526.6	14578

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 checked="" type="checkbox"/> No		
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:		

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

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

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

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

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.

Joshua woodruff

Universal Pressure Pumping

Name and title of cementer's representative

Cementing Company

4517 W. Industrial Ave.

Midland, Texas, 79703

(432) 699 3271

Address

City, State, Zip Code

Tel: Area Code Number

Date: Month/Day/Year

Signature

8/15/2016

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.

Connie Swan

Regulatory Administrator

Typed or printed name of operator's representative

Title

P.O. Box 35888

Tulsa OK 74153-0888

918 621-6533

Address

City, State, Zip Code

Tel: Area Code Number

Date: Month/Day/Year

Signature

10/04/2016

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/readtac5ext.TacPage?si=R&aop=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=15&nt=1&ch=3&rl=14) 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, 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 Cement Data box.

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER



LORI WROTENBERY
DIRECTOR, OIL AND GAS DIVISION
LESLIE SAVAGE, P.G.
ASSISTANT DIRECTOR, TECHNICAL PERMITTING

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

November 14, 2016

OPUS OPERATING II LLC
ATTN: REGULATORY DEPARTMENT
PO BOX 11403
MIDLAND TX 79702

RE: **APPLICATION FOR EXCEPTION TO SWR 10**
LEASE: UNIVERSITY TAYLOR DRAW 30
WELL NO. 1
UPTON COUNTY, DISTRICT 7C, TEXAS
API NO. 461-40161

FIELD NAME	FIELD NO.	COMPLETION DEPTHS (FT)
SHEEP MOUNTAIN (CONSOLIDATED)	82857300	7860'-9555'
BLOCK 4 (DEVONIAN)	09144200	10010'-10080'
TOKEEN (MISSISSIPPIAN)	90358500	9646'-9785'

HYDROGEN SULFIDE RESTRICTION: NO

The Commission has approved your application to down-hole commingle production within the above-referenced wellbore from the SHEEP MOUNTAIN (CONSOLIDATED); BLOCK 4 (DEVONIAN); and TOKEEN (MISSISSIPPIAN) fields in UPTON County, Texas. For allowable and reporting purposes, the well will be assigned to the **SHEEP MOUNTAIN (CONSOLIDATED)** field. It will be necessary to have or obtain Commission authority to complete this well in each of the subject zones (Form W-1 approval). The effective date of this SWR 10 Exception is October 17, 2016. This exception to SWR 10 will expire if not used within two (2) years from the date of this permit. This expiration date is November 15, 2018.

If the commingled well tests as a gas well and the well is not currently on schedule as a multi-completed well or never has been on schedule as a single completion in any of the non-reporting fields listed above, you must file a well-record-only G-1 for the field(s). This completion must be treated as a separate completion. It will not be eligible for allowable status, and will be carried on the proration schedule as a SWR 10 well. The only instances in which the production will be assigned to a field in which the allocation formula has been suspended are when: (1) The allocation formula has been suspended in all of the fields cited in the Rule 10 Exception application, or (2) If the production is less than 200 MCFPD. If the status for any of the fields changes it may be necessary to reassign the production to the prorated field. Contact your proration analyst to inquire as to which forms are necessary to change the reporting field.

Acreage assigned to the referenced well for allocation of allowable shall not be assigned to any other well or wells projected to or completed in the above-referenced fields; such duplicate assignment of acreage is not acceptable, provided, however, that this limitation shall not prevent the reformation of development or proration units so long as no duplicate assignment of acreage occurs, and further, that such reformation does not violate other conservation regulations.

The maximum daily allowable for the combined production will be limited to the top allowable for the reporting field and will become effective upon receipt of Form G-1 or W-2 showing combined completion data and results of a potential test performed after the physical work of down hole commingling has been completed and run in accordance with Statewide Rule 28. Please indicate in "remarks" the reason for filing this report, giving date of Commission approval of this Rule 10 Exception.

Should secondary recovery operations be initiated in either of these reservoirs, it may be necessary to segregate these zones. If surface-commingling authority has been granted, it may be necessary to amend or cancel this authority.

Permit conditions:

The completion of the commingled well must be a reasonable match with the wellbore diagram filed with the application. Variances in completion depths are acceptable provided that these completion depths remain within the designated correlative intervals for the commingled fields. A copy of this wellbore diagram must be filed with the completion report for the commingled well.

Note: The distribution of this document will be by E-MAIL ONLY. E-mail sent to csswan@swanderlandok.com.

If you have any questions, you may contact the engineering unit in the Austin office at 512-463-1126.

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Form W-12
(1-1-71)
FOD1296

Tr# 161854 API# 42-461-40161

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District 7C
		7. RRC Lease Number (Oil completions only)
1. FIELD NAME (as per RRC Records or Wildcat) SHEEP MOUNTAIN (CONSOLIDATED)	2. LEASE NAME University Taylor Draw 30	8. Well Number I
3. OPERATOR Opus Operating II, LLC		9. RRC Identification Number (Gas completions only)
4. ADDRESS P.O. Box 35888 Tulsa, OK 74153-0888		10. County Upton
5. LOCATION (Section, Block, and Survey) Section 30, Block 4, Abstract U66, Survey UL		

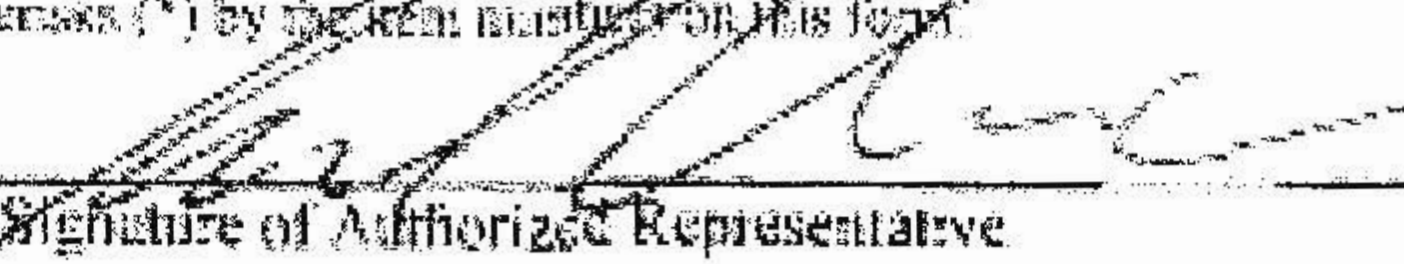
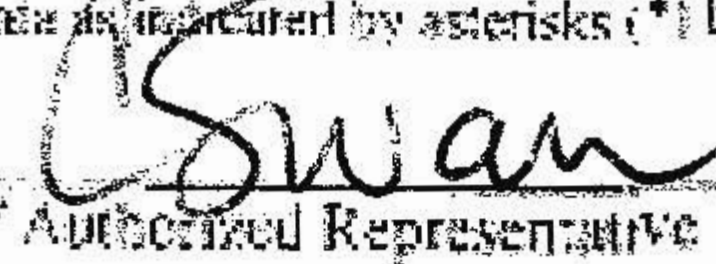
RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
241	241	0.50	0.87	2.10	2.10
476	235	0.50	0.87	2.05	4.15
765	289	0.60	1.05	3.03	7.18
920	155	0.60	1.05	1.62	8.80
1014	94	0.70	1.22	1.15	9.95
1172	158	0.50	0.87	1.38	11.33
1266	94	0.60	1.05	0.98	12.31
1425	159	0.70	1.22	1.94	14.26
2083	658	0.70	1.22	8.04	22.30
2263	180	0.40	0.70	1.26	23.55
2462	199	0.70	1.22	2.43	25.98
2746	284	0.70	1.22	3.47	29.45
3029	283	0.60	1.05	2.96	32.42
3218	189	0.50	0.87	1.65	34.07
3316	98	0.50	0.87	0.86	34.92

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☒ yes ☐ no
18. Accumulative total displacement of well bore at total depth of 10465 feet = 208.44 feet.
- *19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line 660 feet.
21. Minimum distance to lease line as prescribed by field rules 467 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO

(If the answer to the above question is "yes," attach written explanation of the circumstances.)

<p>INCLINATION DATA CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p> Signature of Authorized Representative Kirk Cleere, President Name of Person and Title (type or print) Sendero Drilling Company, LLC Name of Company Telephone 325-655-7641 Area Code</p>	<p>OPERATOR CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p> Signature of Authorized Representative Connie Swan, Regulatory Administrator Name of Person and Title (type or print) Opus Operating II, LLC Operator Telephone 918 621-6533 Area Code</p>
---	--

Railroad Commission Use Only.

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.

RECORD OF INCLINATION (Continued from reverse side)

*11. Measured Depth (feet)	*12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	*14. Displacement per Hundred Feet (Size of Angle x100)	*15. Course Displacement (feet)	*16. Accumulative Displacement (feet)
3412	96	0.60	1.05	1.01	35.93
3507	95	0.70	1.22	1.16	37.09
3602	95	0.70	1.22	1.16	38.25
3695	93	0.70	1.22	1.14	39.38
3790	95	0.70	1.22	1.16	40.54
4261	471	0.70	1.22	5.75	46.30
4439	178	0.40	0.70	1.24	47.54
4598	159	0.20	0.35	0.56	48.10
4671	73	0.30	0.52	0.38	48.48
4861	190	0.40	0.70	1.33	49.81
5019	158	0.50	0.87	1.38	51.18
5172	153	0.70	1.22	1.87	53.05
5329	157	0.70	1.22	1.92	54.97
5387	58	0.70	1.22	0.71	55.68
5675	288	0.60	1.05	3.02	58.70
5866	191	1.40	2.44	4.67	63.36
5977	111	1.40	2.44	2.71	66.07
6040	63	1.70	2.97	1.87	67.94
6177	137	1.40	2.44	3.35	71.29
6292	115	1.20	2.09	2.41	73.70
6302	10	1.20	2.09	0.21	73.91
6428	126	1.00	1.75	2.20	76.11
6555	127	0.30	0.52	0.66	76.77
6808	253	0.10	0.17	0.44	77.21
7113	305	2.10	3.66	11.18	88.39
7217	104	2.20	3.84	3.99	92.38
7332	115	2.10	3.66	4.21	96.60
7396	64	2.20	3.84	2.46	99.05
7405	9	2.20	3.84	0.35	99.40
7467	62	2.20	3.84	2.38	101.78
7530	63	2.10	3.66	2.31	104.09
7593	63	2.00	3.49	2.20	106.29
7657	64	1.80	3.14	2.01	108.30
7720	63	1.80	3.14	1.98	110.28
8151	431	1.50	2.62	11.28	121.56
8404	253	1.40	2.44	6.18	127.74
8531	127	1.80	3.14	3.99	131.73

If additional space is needed, attach separate sheet and check here. ☒

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

[illegible]

REMARKS:

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

Tracking No.: 161854

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: OPUS OPERATING II LLC	District No. 7C	Completion Date: 08/09/2016
Field Name SHEEP MOUNTAIN (CONSOLIDATED)	Drilling Permit No. 808681	
Lease Name UNIVERSITY TAYLOR DRAW 30	Lease/ID No. 19410	Well No. 1
County UPTON	API No. 42- 461-40161	

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). _____

Connie Swan

Signature

Name (print)_____
Title

(918) 621-6533

Phone

09/14/2016

Date

-FOR RAILROAD COMMISSION USE ONLY-

Litho Density
Compensated Neutron
Log

Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas	Company Opus Operating II LLC		
	Well University Taylor Draw 30-1		
	Field Sheep Mountain (Consolidated)		
	County Upton State Texas		
	Location: 1320' FNL & 660' FWL Section: 30 Block: 4 Survey: UL A-U66		
			API #: 42-461-40161 Other Services DLL, MSFL
			Elevation Permanent Datum G.L. Elevation ft. Log Measured From K.B. , ft. above perm. datum Drilling Measured From Kelly Bushing
			K.B. 2768 ft. D.F. 2767 ft. G.L. 2748 ft.
Date	13-May-2016		
Run Number	One		
Depth Driller	10479'		
Depth Logger	10426'		
Bottom Logged Interval	10386'		
Top Log Interval	170'		
Casing Driller	8.625" @ 4323'	@	@
Casing Logger	4315'		
Bit Size	7.875"	@	@
Type Fluid in Hole	Water Based Mud		
Density / Viscosity	8.9 / 40		
pH / Fluid Loss	11 / 9		
Source of Sample	Circulation Tank		
Rm @ Meas. Temp	0.14 @ 73 degF	@	@
Rmf @ Meas. Temp	0.11 @ 73 degF	@	@
Rmc @ Meas. Temp	0.17 @ 73 degF	@	@
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.06 @ 173 degF	@	@
Time Circulation Stopped	13-May-2016 @ 03:30		
Time Logger on Bottom	13-May-2016 @ 13:00		
Maximum Recorded Temperature	173 degF		
Equipment Number	10002		
Location	Midland, TX		
Recorded By	M. Gustin		
Witnessed By	A. Villa		

Equipment and Log Data

<<< Fold Here >>>

Borehole Profile

Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas	Company Opus Operating II LLC		
	Well University Taylor Draw 30-1		
	Field Sheep Mountain (Consolidated)		
	County Upton State Texas		
	Location: 1320' FNL & 660' FWL Section: 30 Block: 4 Survey: UL A-U66		
API #: 42-461-40161			Other Services LDT, CNL DLL, MSFL SGR
Permanent Datum G.L. Elevation ft. Log Measured From K.B. ft. above perm. datum Drilling Measured From Kelly Bushing			Elevation K.B. 2768 ft. D.F. 2767 ft. G.L. 2748 ft.
Date	13-May-2016		
Run Number	One		
Depth Driller	10479'		
Depth Logger	10426'		
Bottom Logged Interval	10387'		
Top Log Interval	4315'		
Casing Driller	8.625" @ 4323'	@	@
Casing Logger	4315'		
Bit Size	7.875"	@	@
Type Fluid in Hole	Water Based Mud		
Density / Viscosity	8.9 / 40		
pH / Fluid Loss	11 / 9		
Source of Sample	Circulation Tank		
Rm @ Meas. Temp	0.14 @ 73 degF	@	@
Rmf @ Meas. Temp	0.11 @ 73 degF	@	@
Rmc @ Meas. Temp	0.17 @ 73 degF	@	@
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.06 @ 173 degF	@	@
Time Circulation Stopped	13-May-2016 @ 03:30		
Time Logger on Bottom	13-May-2016 @ 13:00		
Maximum Recorded Temperature	173 degF		
Equipment Number	10002		
Location	Midland, TX		
Recorded By	M. Gustin		
Witnessed By	A. Villa		

Equipment and Log Data

<<< Fold Here >>>

Dual Laterolog Microspherically Focused Log

Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas	Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas		
	Location: 1320' FNL & 660' FWL Section: 30 Block: 4 Survey: UL A-U66		API #: 42-461-40161 Other Services LDT, CNL
	Permanent Datum	G.L.	Elevation ft.
	Log Measured From	K.B.	ft. above perm. datum
	Drilling Measured From	Kelly Bushing	
			Elevation K.B. 2768 ft. D.F. 2767 ft. G.L. 2748 ft.
Date	13-May-2016		
Run Number	One		
Depth Driller	10479'		
Depth Logger	10426'		
Bottom Logged Interval	10424'		
Top Log Interval	4315'		
Casing Driller	8.625" @ 4323'	@	@
Casing Logger	4315'		
Bit Size	7.875"	@	@
Type Fluid in Hole	Water Based Mud		
Density / Viscosity	8.9 / 40		
pH / Fluid Loss	11 / 9		
Source of Sample	Circulation Tank		
Rm @ Meas. Temp	0.14 @ 73 degF	@	@
Rmf @ Meas. Temp	0.11 @ 73 degF	@	@
Rmc @ Meas. Temp	0.17 @ 73 degF	@	@
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.06 @ 173 degF	@	@
Time Circulation Stopped	13-May-2016 @ 03:30		
Time Logger on Bottom	13-May-2016 @ 13:00		
Maximum Recorded Temperature	173 degF		
Equipment Number	10002		
Location	Midland, TX		
Recorded By	M. Gustin		
Witnessed By	A. Villa		

Equipment and Log Data

<<< Fold Here >>>

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.: 161854

1. Field name exactly as shown on proration schedule SHEEP MOUNTAIN (CONSOLIDATED)		2. Lease name as shown on proration schedule UNIVERSITY TAYLOR DRAW 30					
3. Current operator name exactly as shown on P-5 Organization Report OPUS OPERATING II LLC		4. Operator P-5 no. 625171	5. Oil Lse/Gas ID no 19410	6. County UPTON	7. RRC district 7C		
8. Operator address including city, state, and zip code PO BOX 11403 MIDLAND, TX 79702		9. Well no(s) <i>(see instruction E)</i> 1					
12. Purpose of Filing. (Complete section a or b below.) <i>(See instructions B and G)</i> 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 <i>(see instruction A)</i>		11. Effective Date 08/09/2016			
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). <i>(See instruction G).</i>							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <i>(Attach an additional sheet in same format if more space is needed)</i>			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	TARGA PL MID-CONT WESTTEX LLC(836041)			0001	100.0	
14. Authorized OIL or CONDENSATE Gatherer(s). <i>(See instruction G).</i>							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First <i>(Attach an additional sheet in same format if more space is needed)</i>						Percent of Take	
FIRST RIVER ENERGY, LLC(269017)						100.0	
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>01/04/2017</u>							
15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.							
Name of Previous Operator _____ Name (print) _____ Title _____				Signature <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator <i>(see instruction G)</i> _____ 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.							
Name (print) _____ Title <u>CSSwan@swanderlandok.com</u> E-mail Address (optional)				Connie Swan Signature <input type="checkbox"/> Authorized Employee of current operator <input checked="" type="checkbox"/> Authorized agent of current operator <i>(see instruction G)</i> _____ Date <u>12/08/2016</u> Phone with area code <u>(918) 621-6533</u>			

Railroad Commission of Texas
Oil And Gas Division
Request for Clearance of Storage Tanks
Prior to Potential Test

Form P-8

Reference No. 35544

1. Operator's Name and Address (Exactly as shown on Form P-5 Organization Report) OPUS OPERATING II LLC PO BOX 11403 MIDLAND, TX 79702-0000 2. RRC Operator Number: <u>625171</u>		3. RRC District No. 7C	
		4. County of Well Site UPTON	
		5. API No. 42-461-40161	
6. Field Name (Wildcat or exactly as shown on RRC records) SHEEP MOUNTAIN (CONSOLIDATED)		7. Drilling Permit No. 808681	
8. Rule 37 Case No.		9. Lease Name UNIVERSITY TAYLOR DRAW 30	
10. Oil lease No.		11. Well No. 1	
12. Drilling completed on <u>05/12/2016</u>		13. Completion report--Form W-2 or G-1--will be filed on <u>10/15/2016</u>	
14. Oil or condensate gatherer's name and address SUNOCO PTNRS. MKTG.&TERMINALS LP 3807 WEST CHESTER PIKE NEWTOWN SQ, PA 19073-2304 (215) 977-6164		15. Authorization to transport oil or condensate (mark one) <input checked="" type="checkbox"/> Form P-4 attached <input checked="" type="checkbox"/> Form P-4 Filed on <u>08/08/2016</u>	
		17. Amount of oil/condensate in tanks <u>1114</u> barrels on <u>09/27/2016</u>	
16. This request is for <u>50000</u> barrels of <input checked="" type="checkbox"/> crude oil OR <input type="checkbox"/> condensate		18. Storage capacity in bbls. Tank battery <u>1400</u> Test tanks <u>0</u> Total <u>1400</u>	
19. Previous request for clearance. Amount <u>20000</u> barrels granted on <u>08/08/2016</u>			
20. Reason for current request for clearance (explain briefly) Clear storage tanks for safety purposes in advance of production allowable assignment.			
Connie Swan Name of operator's representative		REGULATORY ADMINISTRATOR Title of person	
(918) 621-6533 Telephone		09/28/2016 Date	
RRC District Office Action			
Status: Approved		Barrels recommended <u>50000</u>	
RRC Staff		<u>09/28/2016</u> Date	



GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Groundwater Advisory Unit

Date: 24 July 2015

GAU Number:

12160

Attention: OPUS OPERATING II LLC

PO BOX 11403

MIDLAND, TX 79702

P-5#: 625171

API Number:

County:

UPTON

Lease Name:

UNIVERSITY TAYLOR DRAW 30

RRC Lease Number:

Well Number:

1

Total Vertical Depth:

10500

Latitude:

31.154500

Longitude:

-101.789236

Datum:

NAD27

Purpose: New Drill

Location: Survey-UL; Abstract-U66; Block-4; Section-30

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 700 feet must be protected.

This determination is based on information provided when the application was submitted on 07/22/2015. 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

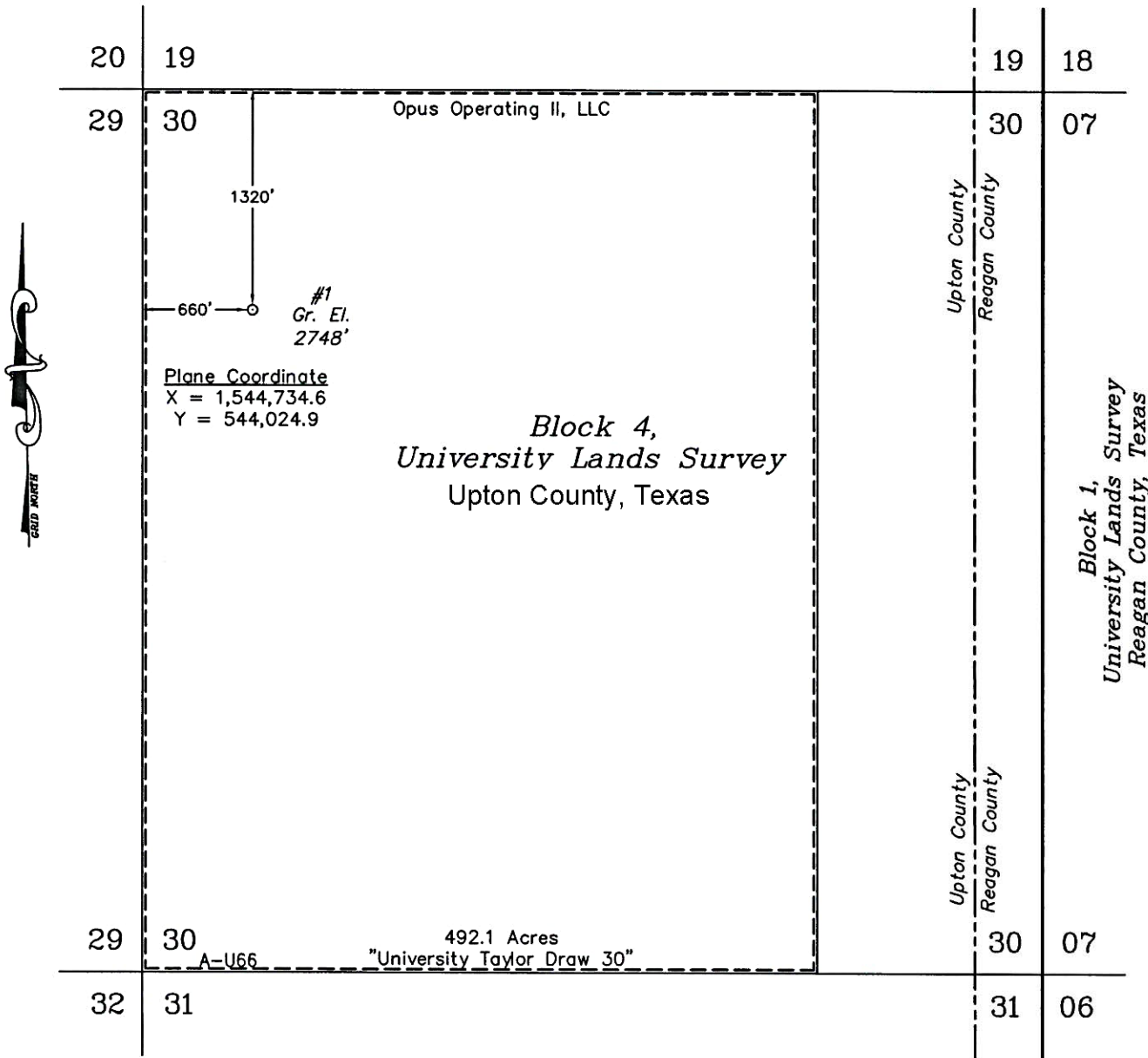
Form GW-2

P.O. Box 12967 Austin, Texas 78771-2967

512-463- 2741

Rev. 02/2014

Internet address: www.rrc.texas.gov



LEGEND

Date Surveyed: July 9, 2015
Weather: Hot and Breezy

- - Denotes Proposed Well Location
- - Denotes Lease Line
- - Denotes County Line (Approx.)

The University Taylor Draw 30-1 is located approximately 19.5 miles Southwest of Big Lake, Texas.

NOTE:

- 1) Plane Coordinates and Bearings shown hereon are Lambert Grid and Conform to the "Texas Coordinate System", Texas Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- 2) Geodetic Coordinate shown hereon references the North American Datum of 1983, (Clarke Spheroid of 1866). Reference Stations - "LUBBOCK RRP2" - CORS (DF5391), "JAYTON" - CORS (AF9637) and "SAN ANGELO RRP" - CORS (DF7477).
- 3) This plat is provided for Railroad Commission filing purposes only and should not be constructed as a boundary survey

Geodetic Coordinate
Latitude = 31°09'16.20" N
Longitude = 101°47'21.25" W



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION:

J. FRANK NEWMAN
LINDSAY GYGAX



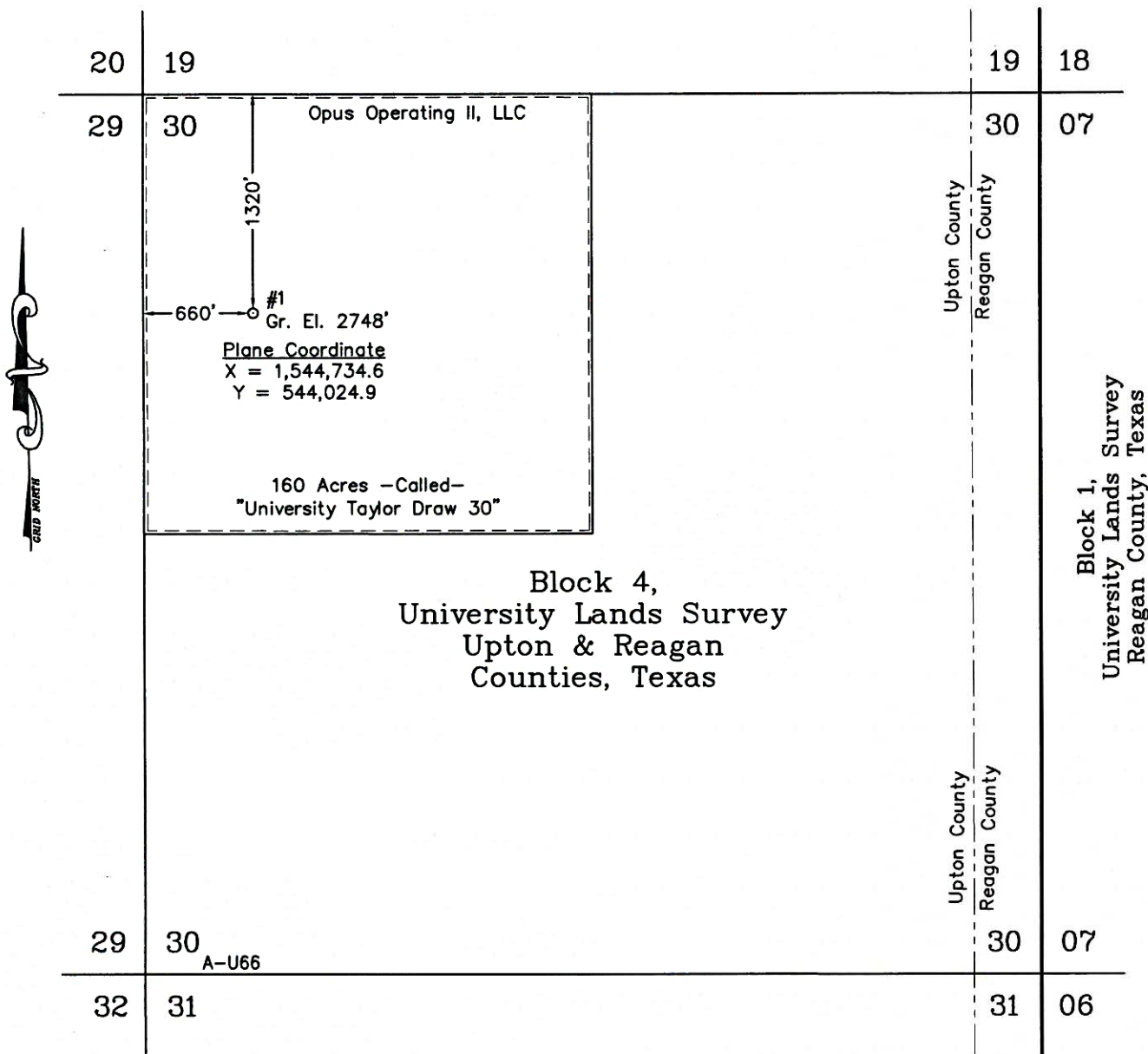
SURVEYORS - ENGINEERS - PLANNERS
FIRM REGISTRATION NUMBER: 100682-00
110 W. LOUISIANA AVE., SUITE 110
MIDLAND, TEXAS 79701
(432) 687-0865 - FAX (432) 687-0868



OPUS OPERATING II, LLC

Location of the
UNIVERSITY TAYLOR DRAW 30-1
1320' FNL & 660' FWL
Section 30, Block 4,
University Lands Survey
Upton County, Texas

Drawn By: LRG	Date: July 20, 2015
Scale: 1" = 1000'	Field Book: 619/39-44
Revision Date: 7/23/15	Quadrangle:
W.O. No: 2015-0502	Dwg. No.: 2015-0502-A



LEGEND

- - Denotes Proposed Well Location
 - - - - - Denotes Lease Line
 - - - - - Denotes County Line (Approx.)

Date Surveyed: July 9, 2015
 Weather: Hot and Breezy

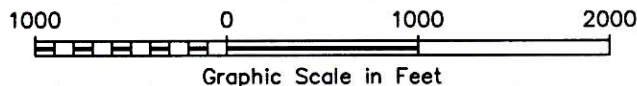
The University Taylor Draw 30-1 is located approximately 19.5 miles Southwest of Big Lake, Texas.

NOTE:

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Geodetic Coordinate

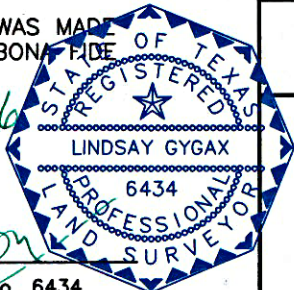
Latitude = 31°09'16.20" N
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LINDSAY GYGAX

TEXAS R.P.L.S. No. 6434



OPUS OPERATING II, LLC

Sketch of the
 UNIVERSITY TAYLOR DRAW 30-1
 PRORATION UNIT
 Located in
 Section 30, Block 4,
 University Lands Survey
 Upton County, Texas

WEST COMPANY
 Land Surveyors • Civil Engineers

SURVEYORS - ENGINEERS - PLANNERS
 FIRM REGISTRATION NUMBER: 100682-00
 110 W. LOUISIANA AVE., SUITE 110
 MIDLAND, TEXAS 79701
 (432) 687-0865 - FAX (432) 687-0868

Drawn By: LRG/ SC

Date: October 28, 2016

Scale: 1" = 1000'

Field Book: 619/39-44

Revision Date:

Quadrangle:

W.O. No: 2015-0502-1

Dwg. No.: 2015-0502-1-A