RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 03/18/2020
Tracking No.: 225651

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

OPERATOR INFORMATION

Operator Name: WPX ENERGY PERMIAN, LLC **Operator No.:** 942623
Operator Address: 3500 ONE WILLIAMS CENTER MD-35 TULSA, OK 74172-0000

WELL INFORMATION

API No.: 42-495-34353 **County:** WINKLER
Well No.: 411H **RRC District No.:** 08
Lease Name: UNIVERSITY 41 **Field Name:** PHANTOM (WOLFCAMP)
RRC Lease No.: 53151 **Field No.:** 71052900
Location: Section: 33, Block: 20, Survey: UL, Abstract: U28

Latitude: **Longitude:**

This well is located 11.2 **miles in a** SW **direction from** WINK, **which is the nearest town in the county.**

FILING INFORMATION

Purpose of filing: Well Record Only
Type of completion: New Well
Well Type: Shut-In Producer **Completion or Recompletion Date:** 12/10/2019

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	06/13/2019	852415
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 06/12/2019 **Date of first production after rig released:** 12/10/2019
Date plug back, deepening, recompletion, or drilling operation commenced: 06/12/2019 **Date plug back, deepening, recompletion, or drilling operation ended:** 08/04/2019
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: 640.00 **Elevation (ft.):** 2808 RKB
Total depth TVD (ft.): 11785 **Total depth MD (ft.):** 17276
Plug back depth TVD (ft.): 11785 **Plug back depth MD (ft.):** 17273
Was directional survey made other than inclination (Form W-12)? Yes **Rotation time within surface casing (hours):** 20.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No **Multiple completion?** No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:

Location of well, relative to nearest lease boundaries of lease on which this well is located: 336.0 **Feet from the** SE **Line and** 451.0 **Feet from the** West **Line of the** UNIVERSITY 41 **Lease.** **Off Lease :** No

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

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

PACKET: N/A

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

GAU Groundwater Protection Determination **Depth (ft.):** 400.0 **Date:** 04/26/2019

SWR 13 Exception **Depth (ft.):**

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: **Production method:**

Number of hours tested: 24 **Choke size:**

Was swab used during this test? No **Oil produced prior to test:**

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): **Gas (MCF):**

Gas - Oil Ratio: 0 **Flowing Tubing Pressure:**

Water (BBLS):

CALCULATED 24-HOUR RATE

Oil (BBLS): **Gas (MCF):**

Oil Gravity - API - 60.: **Casing Pressure:**

Water (BBLS):

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Tool Depth (ft.)	Multi - Stage 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	496			C	644	871.0	SURFACE	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	5244			C/PERLITE & C	1100	2753.5	SURFACE	Circulated to Surface
3	Intermediate	7	8 3/4	12038			50/50 PERLITE/H & H	840	1993.0	1737	Calculation

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
1	4 1/2	6 1/8	11172	17275	PERLITE/H	570	718.2	11172	Calculation

TUBING RECORD

Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	11731	11721 / 4 1/2" 10K AS-1X

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 12178	17252.0

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

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? Yes

If yes, actuation pressure (PSIG): 9515.0

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 11160

Actual maximum pressure (PSIG) during hydraulic fracturing: 11042

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	9,066,885 TL FLUID; 12,672,895 TL PROPPANT	12178	17252

FORMATION RECORD

Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
RUSTLER - POSSIBLE FLOW; POSSIBLE USABLE QUALITY W	No			No	NOT GEOLOGICALLY PRESENT
COLBY-QUEEN	No			No	NOT GEOLOGICALLY PRESENT
YATES	No			No	NOT GEOLOGICALLY PRESENT
QUEEN-SEVEN RIVERS	No			No	NOT GEOLOGICALLY PRESENT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	NOT GEOLOGICALLY PRESENT
HOLT	No			No	NOT GEOLOGICALLY PRESENT
DELAWARE	Yes	5141.0	5173.0	Yes	
GLORIETA	No			No	NOT GEOLOGICALLY PRESENT
CLEARFORK	No			No	NOT GEOLOGICALLY PRESENT
WICHITA ALBANY	No			No	NOT GEOLOGICALLY PRESENT
BRUSHY CANYON	No			No	NOT GEOLOGICALLY PRESENT
CHERRY CANYON	Yes	6357.0	6404.0	Yes	
CANYON	Yes	5141.0	5173.0	Yes	
BONE SPRINGS	Yes	8729.0	8803.0	Yes	
MONTOYA	No			No	NOT GEOLOGICALLY PRESENT
WADDELL	No			No	NOT GEOLOGICALLY PRESENT
WOLFCAMP	Yes	11649.0	11803.0	Yes	
ATOKA	No			No	DID NOT DRILL INTO THIS FORMATION
STRAWN	No			No	DID NOT DRILL INTO THIS FORMATION
PENNSYLVANIAN	No			No	DID NOT DRILL INTO THIS FORMATION
MISSISSIPPIAN	No			No	DID NOT DRILL INTO THIS FORMATION
DEVONIAN	No			No	DID NOT DRILL INTO THIS FORMATION
SILURIAN	No			No	DID NOT DRILL INTO THIS FORMATION
FUSSELMAN	No			No	DID NOT DRILL INTO THIS FORMATION
ELLENBURGER	No			No	DID NOT DRILL INTO THIS FORMATION

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? No

Is the completion being downhole commingled (SWR 10)? No

REMARKS

KOP @ 11,314' MD. FILING WELL RECORD ONLY WITHIN 30 DAYS OF COMPLETION. SUBMITTING SIMULTANEOUSLY WITH TRACKING #'S 225648 & 225650. WILL SUBMIT AS-DRILLED PLAT & COMPLETION P-16 WITH INITIAL POTENTIAL.

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2020-03-18 12:15:16.904] EDL=5050 feet, max acres=704, PHANTOM (WOLFCAMP) oil or gas well;

take points: 12178-17252 feet

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Lorri Kline **Title:**

Telephone No.: (539) 573-3518 **Date Certified:** 12/11/2019

RAILROAD COMMISSION OF TEXAS

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

CEMENTING REPORT

Form W-15
Rev. 08/2014

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

OPERATOR INFORMATION

Operator Name: WPX ENERGY PERMIAN, LLC	**Operator P-5 No.:** 942623
Cementer Name: Par Five Energy Services	**Cementer P-5 No.:** 638840

WELL INFORMATION

District No.: 08	**County:** WINKLER	
Well No.: 411 H	**API No.:** 45 495 34353	**Drilling Permit No.:** 852415
Lease Name: UNIVERSITY 41	**Lease No.:**	
Field Name: PHANTOM (WOLFCAMP)	**Field No.:** 71052900	

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 17.5	**Depth of drilled hole (ft.):** 515	**Est. % wash-out or hole enlargement:** 20
Size of casing in O.D. (in.): 13 3/8	**Casing weight (lbs/ft) and grade:** 54.5 J-55	**No. of centralizers used:** 4
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.):** 496	**Top of liner (ft.):** / **Setting depth liner (ft.):**
Hrs. waiting on cement before drill-out: 20	**Calculated top of cement (ft.):** 0' OR SURFACE	**Cementing date:** 6/12/19

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	644	C	2% CALCIUM	871	1252
2					
3					
Total	644			871	1252

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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ 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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		**Setting depth tool (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

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

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

REMARKS

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.

JOHN INGRAM, SERVICE SUPERVISOR | Par-Five Energy Services | [signature]

Name and title of cementer's representative | Cementing Company | Signature

11279 Lovington Highway Artesia NM 88210 | (575) 748-8610 | 6/12/19

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.

LORRI KLINE | REGULATORY TECH II | [signature]

Typed or printed name of operator's representative | Title | Signature

3500 ONE WILLIAMS CENTER, MD: 35 | TULSA, OK 74172 | 539-573-3518 | 06/18/2019

Address | City, State, Zip Code | Tel: Area Code Number | Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). 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.

RAILROAD COMMISSION OF TEXAS

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P.O. Box 12967
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CEMENTING REPORT

Form W-15
Rev. 08/2014

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

OPERATOR INFORMATION

Operator Name: WPX ENERGY PERMIAN, LLC	**Operator P-5 No.:** 942623
Cementer Name: Par Five Energy Services	**Cementer P-5 No.:** 638840

WELL INFORMATION

District No.: 08	**County:** WINKLER	
Well No.: 411H	**API No.:** 42-495-34353	**Drilling Permit No.:** 852415
Lease Name: UNIVERSITY 41	**Lease No.:**	
Field Name: PHANTOM (WOLFCAMP)	**Field No.:** 71052900	

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 12 1/4	**Depth of drilled hole (ft.):** 5260	**Est. % wash-out or hole enlargement:** 15
Size of casing in O.D. (in.): 9 5/8	**Casing weight (lbs/ft) and grade:** 40, J55	**No. of centralizers used:** 33
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.):** 5,244	**Top of liner (ft.):** / **Setting depth liner (ft.):**
Hrs. waiting on cement before drill-out: > 8	**Calculated top of cement (ft.):** SURFACE	**Cementing date:** 6/29/2019

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	950	C/PERLITE	REMARKS	2555.5	4672
2	150	C	.1% PF13 RETARDER	198	578
3					
Total	1100			2753.5	5250

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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ 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:**
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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.)							
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Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

"50/50 PerLite/C + 5% (BWOW) PF44 Salt + 10% PF20 Bentonite + 0.3% PF13 Retarder + 0.3% PF153 Antisettling + 0.2% PF79 Chemical Extender + 3 pps PF42 Kol-Seal + 0.4 pps PF45 Defoamer + 0.125 pps PF29 Cellophane"

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DANIEL MORENO,SERVICE SUPERVISOR | Par-Five Energy Services | 

Name and title of cementer's representative | Cementing Company | Signature

11279 Lovington Highway Artesia NM 88210 | (575) 748-8610 | 6/29/2019

Address | City, State, Zip Code | Tel: Area Code Number | Date: mo. day yr.

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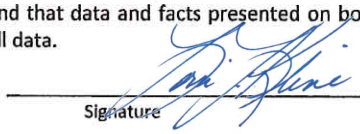
LORRI KLINE | REGULATORY TECH II | 

Typed or printed name of operator's representative | Title | Signature

3500 ONE WILLIAMS CENTER, MD: 35 | TULSA, OK 74172 | 539-573-3518 | 07/03/2019

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D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing **and** Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

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Form W-15
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Cementer: Fill in shaded areas.
Operator: Fill in other items.

CEMENTING REPORT

OPERATOR INFORMATION

Operator Name: WPX ENERGY PERMIAN, LLC	**Operator P-5 No.:** 942623
Cementer Name: Par Five Energy Services	**Cementer P-5 No.:** 638840

WELL INFORMATION

District No.: 08	**County:** WINKLER	
Well No.: 411 H	**API No.:** 42-49534353	**Drilling Permit No.:** 852415
Lease Name: UNIVERSITY 41	**Lease No.:**	
Field Name: PHANTOM (WOLFCAMP)	**Field No.:** 71052900	

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 8.75	**Depth of drilled hole (ft.):** 12053	**Est. % wash-out or hole enlargement:** 10
Size of casing in O.D. (in.): 7	**Casing weight (lbs/ft) and grade:** 29, P110EYHC	**No. of centralizers used:** 46
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☑ NO If no for surface casing, explain in Remarks.	**Setting depth shoe (ft.):** 12,038	**Top of liner (ft.):**
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: > 8	**Calculated top of cement (ft.):** 1737	**Cementing date:** 7/7/2019

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	655	50/50 PERLITE/H	REMARKS	1775	9011
2	185	H	REMARKS	218	1305
3					
Total	840			1993	10316

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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ 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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		**Setting depth tool (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

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

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

REMARKS

"50/50 PerLite/H + 5% (BWOW) PF44 Salt + 10% PF20 Bentonite + 1% PF79 Chemical Extender + 3 pps PF42 Kol-Seal + 0.4 pps PF45 Defoamer + 0.125 pps PF29 Cellophane + 3 pps PF62 Extender" H + 0.3% PF17 Extreme Fluidloss/ Gas Block + 0.1% PF13 Retarder

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.

JASON AHLIN,SERVICE SUPERVISOR | Par-Five Energy Services | [signature]

Name and title of cementer's representative | Cementing Company | Signature

11279 Lovington Highway Artesia NM 88210 | (575) 748-8610 | 7/7/2019

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.

LORRI KLINE | REGULATORY TECH II | [signature]

Typed or printed name of operator's representative | Title | Signature

3500 ONE WILLIAMS CENTER, MD: 35 | TULSA, OK 74172 | 539-573-3518 | 07/22/2019

Address | City, State, Zip Code | Tel: Area Code Number | Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). 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.

RAILROAD COMMISSION OF TEXAS

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

CEMENTING REPORT

Form W-15
Rev. 08/2014

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

OPERATOR INFORMATION

Operator Name: WPX ENERGY PERMIAN, LLC	**Operator P-5 No.:** 942623
Cementer Name: Par Five Energy Services	**Cementer P-5 No.:** 638840

WELL INFORMATION

District No.: 08	**County:** WINKLER	
Well No.: 411H	**API No.:** 42-495-34353	**Drilling Permit No.:** 852415
Lease Name: UNIVERSITY 41	**Lease No.:**	
Field Name: PHANTOM (WOLFCAMP)	**Field No.:** 71052900	

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 6 1/8	**Depth of drilled hole (ft.):** 17,276	**Est. % wash-out or hole enlargement:** 10
Size of casing in O.D. (in.): 4 1/2	**Casing weight (lbs/ft) and grade:** 13.5# P110HC	**No. of centralizers used:** 60
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.):** 17,275	**Top of liner (ft.):** 11,172.42 **Setting depth liner (ft.):** 17,275
Hrs. waiting on cement before drill-out: NA	**Calculated top of cement (ft.):** 11,172	**Cementing date:** 8/4/2019

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	570	PERLITE/H	REMARKS	718.2	8119.98
2					
3					
Total	570	PERLITE/H	REMARKS	718.2	8119.98

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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ 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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		**Setting depth tool (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

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

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

REMARKS

50/50 Perlite/H + 5% (BWOW) PF44 Salt + 2% PF20 Bentonite + 0.4% PF17 Extreme Fluidloss / Gas Block + 0.2% PF13 Retarder + 0.15% PF153 Antisettling + 1 pps PF62 Extender + 0.4 pps PF45 Defoamer

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.

ALEX GONZALEZ SERVICE SUPERVISOR | Par-Five Energy Services | Alex Gonzalez

Name and title of cementer's representative | Cementing Company | Signature

11279 Lovington Highway Artesia NM 88210 | (575) 748-8610 | 8/4/2019

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.

LORRI KLINE | REGULATORY TECH II | Lori Kline

Typed or printed name of operator's representative | Title | Signature

3500 ONE WILLIAMS CENTER, MD: 35 TULSA, OK 74172 | 539-573-3518 | 8/4/2019

Address, City, State, Zip Code | Tel: Area Code Number | Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). 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.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG STATUS REPORT

FORM L-1

Tracking No.: 225651

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: WPX ENERGY PERMIAN, LLC	District No. 08	Completion Date: 12/10/2019
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 852415	
Lease Name UNIVERSITY 41	Lease/ID No. 53151	Well No. 411H
County WINKLER	API No. **42-** 495-34353	

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). _____

Lorri Kline Signature	_____ Title
WPX ENERGY PERMIAN, LLC Name (print)	(539) 573-3518 Phone 11/13/2019 Date

-FOR RAILROAD COMMISSION USE ONLY-

Scale: 5" / 100'
Measured Depth Log

Well Name	UNIVERSITY 41-411H_VERTICAL		
Location	336' FSL, 451' FWL, SEC 33, BLK 20		
State	TEXAS	**County**	WINKLER
Country	USA	**Rig Number**	H&P 314
API Number	42-495-343530000	**AFE #**	190634
Geographic Region	DELAWARE / PERMIAN BASIN	**Field**	PHANTOM (WOLFCAMP)
Spud Date	6/9/2019	**Drilling Completed**	8/2/2019
Surface Coordinates	NAD 27 LAT: 31.662730° N LONG: 103.318703° W		
Bottom Hole Coordinates	NAD 27 LAT: 31.649645° N LONG: 103.307506° W		
Ground Elevation	2,782'	**K.B. Elevation**	2,809'
Logged Interval	4,600' **To** 17,276'	**Total Depth**	17,276'
Formation	BELL CANYON - 3rd BONE SPRING LIMESTONE		
Type of Drilling Fluid	BRINE		

Operator

Company WPX Energy

Address ONE WILLIAMS CENTER
TULSA, OK 74103

Geologist

Name KIRBY MACKEY / JOHN SEN

Company FIELD GEO SERVICES, INC.

Address 533 BOGART LANE, UNIT A
GRAND JUNCTION, CO 81505
(970) 434-5163 OFFICE

Color Coding

Oil	Condensate	Gas
Note	Core	Pressure
Error	Water	Seal

WPXENERGY

Scale: 5" / 100'
Measured Depth Log

Well Name	UNIVERSITY 41-411H_CURVE AND LATERAL		
Location	336' FSL, 451' FWL, SEC 33, BLK 20		
State	TEXAS	**County**	WINKLER
Country	USA	**Rig Number**	H&P 314
API Number	42-495-343530000	**AFE #**	190634
Geographic Region	DELAWARE / PERMIAN BASIN	**Field**	PHANTOM (WOLFCAMP)
Spud Date	6/9/2019	**Drilling Completed**	8/2/2019
Surface Coordinates	NAD 27 LAT: 31.662730° N LONG: 103.318703° W		
Bottom Hole Coordinates	NAD 27 LAT: 31.649645° N LONG: 103.307506° W		
Ground Elevation	2,782'	**K.B. Elevation**	2,809'
Logged Interval	4,600' **To** 17,276'	**Total Depth**	17,276'
Formation	3rd BONE SPRING LIME - UPPER WOLFCAMP A		
Type of Drilling Fluid	BRINE/CURVE, INVERT/LATERAL		

Operator

Company WPX Energy

Address ONE WILLIAMS CENTER
TULSA, OK 74103

Geologist

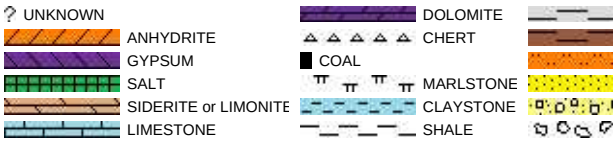
Name RUSSELL KHUDAYAR, JEFFREY HAWS,

Company FIELD GEO SERVICES, INC.

Address 533 BOGART LANE, UNIT A
GRAND JUNCTION, CO 81505
(970) 424-5162 OFFICE
(970) 424-5164 FAX

Fiel

Rock Types



RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin TX 78711-2967
www.rrc.texas.gov

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.: 225651

1. Field name exactly as shown on proration schedule	2. Lease name as shown on proration schedule			
PHANTOM (WOLFCAMP)	UNIVERSITY 41			
3. Current operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no	6. County	7. RRC district
WPX ENERGY PERMIAN, LLC	942623	53151	WINKLER	08
8. Operator address including city, state, and zip code	9. Well no(s) *(see instruction E)*			
3500 ONE WILLIAMS CENTER MD-35 TULSA, OK 74172	411H			
	10. Classification ☒ Oil ☐ Gas ☐ Other *(see instruction A)*			11. Effective Date 12/10/2019

12. Purpose of Filing. (Complete section a or b below.) *(See instructions B and G)*

a. Change of: ☐ operator ☐ oil or condensate gatherer ☐ gas gatherer ☐ gas purchaser ☐ gas purchaser system code
☐ field name from _____
☐ lease name from _____

OR

b. New RRC Number for: ☒ oil lease ☐ gas well ☐ other well (specify) _____ **Due to:** ☐ new completion or recompletion ☐ reclass oil to gas ☐ reclass gas to oil ☐ 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		BRAZOS MIDSTREAM OPERATING, LLC(089903)		100.0	
	X	BRAZOS MIDSTREAM OPERATING, LLC(089903)	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
ORYX DELAWARE OIL TRANSPORT LLC(627137)	90.0
PLAINS MARKETING, L.P.(667883)	10.0

RRC USE ONLY: Reviewer's initials: RRC Staff Approval date: 03/18/2020

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Name of Previous Operator

Signature

Name (print)

☐ **Authorized Employee of previous operator**

☐ **Authorized agent of previous operator** *(see instruction G)*

Title

Date

Phone with area code

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

WPX ENERGY PERMIAN, LLC
Name (print)

Lorri Kline
Signature

☒ **Authorized Employee of current operator**

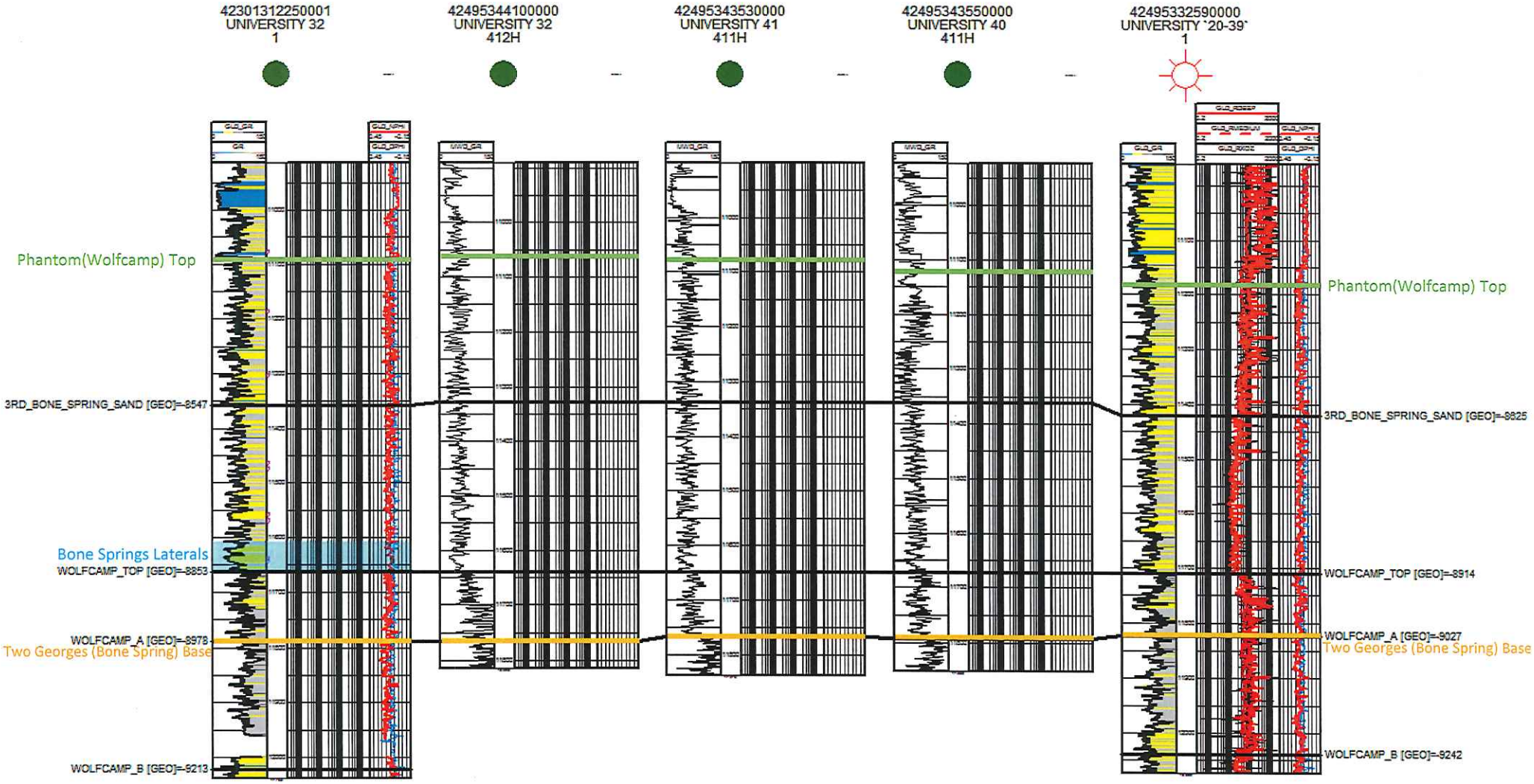
☐ **Authorized agent of current operator** *(see instruction G)*

Title

lorri.kline@wpxenergy.com
E-mail Address (optional)

11/13/2019
Date

(539) 573-3518
Phone with area code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411H
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UNIVERSITY `20-39`
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Phantom(Wolfcamp) Top
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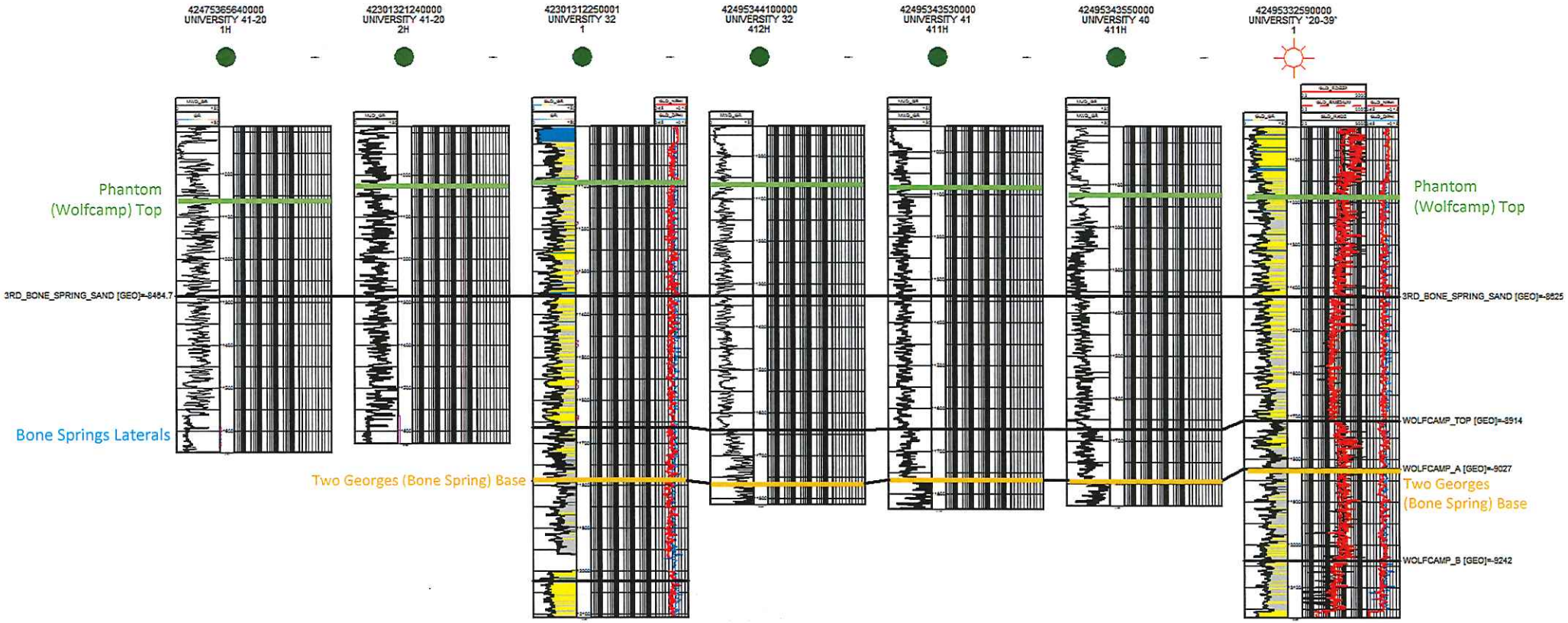
Bone Springs Laterals
WOLFCAMP_TOP [GEO]=-8853
WOLFCAMP_A [GEO]=-8978
Two Georges (Bone Spring) Base
WOLFCAMP_B [GEO]=-9213
Phantom(Wolfcamp) Top
3RD_BONE_SPRING_SAND [GEO]=-8825
WOLFCAMP_TOP [GEO]=-8914
WOLFCAMP_A [GEO]=-9027
Two Georges (Bone Spring) Base
WOLFCAMP_B [GEO]=-9242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412H
42495343530000
UNIVERSITY 41
411H
42495343550000
UNIVERSITY 40
411H
42495332590000
UNIVERSITY `20-39`
1
Phantom
(Wolfcamp) Top
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Bone Springs Laterals
Two Georges (Bone Spring) Base
Phantom
(Wolfcamp) Top
3RD_BONE_SPRING_SAND [GEO]=-8825
WOLFCAMP_TOP [GEO]=-8914
WOLFCAMP_A [GEO]=-9027
Two Georges
(Bone Spring) Base
WOLFCAMP_B [GEO]=-9242

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Groundwater Advisory Unit

Date Issued:	30 April 2019	**GAU Number:**	240056

Attention:	WPX ENERGY PERMIAN, LLC 3500 ONE WILLIAMS CENTER TULSA, OK 74172	**API Number:**	49534353
		County:	WINKLER
		Lease Name:	UNIVERSITY 41
		Lease Number:	
Operator No.:	942623	**Well Number:**	411H
		Total Vertical Depth:	16000
		Latitude:	31.662664
		Longitude:	-103.318678
		Datum:	NAD27

Purpose: New Production Well

Location: Survey-UL; Abstract-U28; Block-20; Section-33

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 400 feet must be protected.

This recommendation is applicable to all wells within a radius of 2000 feet of this location.

Please send Gamma/Porosity log of this well when it is available.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 04/26/2019. 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

WINKLER, WARD & LOVING COUNTY, TEXAS

SURFACE HOLE		POINT OF PENETRATION		FIRST TAKE POINT		LAST TAKE POINT		BOTTOM HOLE LOCATION	
FOOTAGE: 336' FSL & 451' FWL		FOOTAGE: 447' FSL & 531' FEL		FOOTAGE: 100' FNL & 330' FEL		FOOTAGE: 100' FSL & 330' FEL		FOOTAGE: 50' FSL & 330' FEL	
TEXAS CENTRAL ZONE-NAD 83		TEXAS CENTRAL ZONE-NAD 83		TEXAS CENTRAL ZONE-NAD 83		TEXAS CENTRAL ZONE-NAD 83		TEXAS CENTRAL ZONE-NAD 83	
LAT.	31.662795	LAT.	31.662281	LAT.	31.660998	LAT.	31.647686	LAT.	31.647555
LONG.	-103.319126	LONG.	-103.322241	LONG.	-103.321088	LONG.	-103.316084	LONG.	-103.316035
NORTH	10580972.21	NORTH	10580804.20	NORTH	10580335.31	NORTH	10575452.64	NORTH	10575404.64
EAST	1367727.03	EAST	1366752.94	EAST	1367099.35	EAST	1368525.76	EAST	1368539.78
TEXAS CENTRAL ZONE-NAD 27		TEXAS CENTRAL ZONE-NAD 27		TEXAS CENTRAL ZONE-NAD 27		TEXAS CENTRAL ZONE-NAD 27		TEXAS CENTRAL ZONE-NAD 27	
LAT.	31.662664	LAT.	31.662281	LAT.	31.660868	LAT.	31.647555	LAT.	31.647424
LONG.	-103.318677	LONG.	-103.322241	LONG.	-103.320639	LONG.	-103.315636	LONG.	-103.315587
NORTH	738396.07	NORTH	738279.16	NORTH	737759.18	NORTH	732876.58	NORTH	732828.58
EAST	1071262.22	EAST	1070149.95	EAST	1070634.54	EAST	1072060.89	EAST	1072074.91

PROPOSED SURFACE HOLE LOCATION
WELL NAME: UNIVERSITY 41 #411H
TEXAS CENTRAL ZONE-NAD 27
LAT: 31.662664 X: 1071262.22
LON: -103.318677 Y: 738396.07
TEXAS CENTRAL ZONE-NAD 83
LAT: 31.662795 X: 1367727.03
LON: -103.319126 Y: 10580972.21
ELEVATION: 2781.82'

SHELL WESTERN E&P INCORPORATED LP

LOVING COUNTY
WINKLER COUNTY

SECTION 32, BLOCK 20,
UNIVERSITY LANDS SURVEY,
ABSTRACT NO. U46
LOVING COUNTY, TEXAS

ABSTRACT NO. U27
WINKLER COUNTY,
TEXAS

SECTION 33, BLOCK 20,
UNIVERSITY LANDS SURVEY,
ABSTRACT NO. U28
WINKLER COUNTY, TEXAS

WPX ENERGY
PERMIAN, LLC

447' 531' 336' 451'
L1
L2
32 33
330'
41 40
100'
4757'
4959'

640.00 TOTAL
CALLED ACRES

N 73°46'41" E 5288.64'
SECTION LINE

POINT OF
PENETRATION

PROPOSED FIRST TAKE POINT
WELL NAME: UNIVERSITY 41 #411H
TEXAS CENTRAL ZONE-NAD 27
LAT: 31.660868 X: 1070634.54
LON: -103.320639 Y: 737759.18
TEXAS CENTRAL ZONE-NAD 83
LAT: 31.660998 X: 1367099.35
LON: -103.321088 Y: 10580335.31

31 32
42 41

N 16°15'17" W 5282.97'
SECTION LINE

L3
UNIVERSITY 41 #411H
S 16°17'06" E 5287.01'
SECTION LINE

SECTION 41, BLOCK 20,
UNIVERSITY LANDS SURVEY,
ABSTRACT NO. U47
LOVING COUNTY, TEXAS

ABSTRACT NO. U36
WINKLER COUNTY, TEXAS

LOVING COUNTY
WARD COUNTY

WINKLER COUNTY
WARD COUNTY

ABSTRACT NO. U130
WARD COUNTY, TEXAS

UNIVERSITY 41
640.00 ACRES CALLED
WPX ENERGY PERMIAN, LLC

STATE OF TEXAS
REGISTERED
W.E. WILSON
4652
PROFESSIONAL
LAND SURVEYOR

THE UNIVERSITY 41 #411H
IS LOCATED 11.2 MILES
SOUTHWEST OF THE TOWN OF
WINK, TEXAS

LATERAL BEARING AND DISTANCE

LINE	BEARING	DISTANCE
L1	S 80°12'51" W	988.46'
L2	S 36°27'22" E	582.98'
L3	S 16°17'06" E	5086.76'
L4	S 16°17'06" E	50.00'
TOTAL DISTANCE:		6,708.20'

LEGEND
- DENOTES HORIZONTAL SURFACE LOCATION & PENETRATION POINT
- DENOTES FIRST TAKE POINT LOCATION, LAST TAKE POINT LOCATION, AND BOTTOM HOLE LOCATION & TERMINUS POINT
- DENOTES FOUND MONUMENT
- DENOTES CALCULATED CORNER
- DENOTES LEASE LINE
- DENOTES PROPOSED LATERAL
- DENOTES APPROXIMATE COUNTY LINE

41 40
100' 50' L4 330'
44 45

PROPOSED LAST TAKE POINT
WELL NAME: UNIVERSITY 41 #411H
TEXAS CENTRAL ZONE-NAD 27
LAT: 31.647555 X:1072060.89
LON: -103.315636 Y:732876.58
TEXAS CENTRAL ZONE-NAD 83
LAT: 31.647686 X:1368525.76
LON: -103.316084 Y:10575452.64

42 41
4961' SECTION LINE
S 73°49'18" W 5291.42'
43 44

PROPOSED TERMINUS &
BOTTOM HOLE LOCATION
WELL NAME: UNIVERSITY 41 #411H
TEXAS CENTRAL ZONE-NAD 27
LAT: 31.647424 X:1072074.91
LON: -103.315587 Y: 732828.58
TEXAS CENTRAL ZONE-NAD 83
LAT: 31.647555 X: 1368539.78
LON: -103.316035 Y: 10575404.64

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

W. E. WILSON
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF TEXAS # 4652

WPXENERGY

1000' 0' 1000' 2000'

NOTES:
1.) THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY. THE REGISTRANT DOES NOT CLAIM HEREIN ADHERENCE TO THE T.B.P.L.S. MINIMUM STANDARDS OF PROCEDURES FOR BOUNDARY SURVEYS.
2.) OWNERSHIP INFORMATION WAS SUPPLIED BY OTHERS.
3.) COORDINATES AND BEARINGS AS SHOWN ARE GRID AS DERIVED FROM GPS OBSERVATION AND ARE BASED ON THE STATE PLANE COORDINATES FOR THE TEXAS CENTRAL ZONE 4203 NAD 83
4.) THIS PLAT IS PREPARED FOR TEXAS RAILROAD COMMISSION PERMITTING PURPOSES ONLY.
5.) THIS PLAT AND THE SURVEY IT IS BASED ON DOES NOT CONSTITUTE AN:
A.) ENVIRONMENTAL ASSESSMENT
B.) WETLANDS DETERMINATION
C.) SUBSURFACE DETERMINATION

WELL LOCATION PLAT
UNIVERSITY 41 #411H

Surface Location: 336' FSL & 451' FWL
SECTION 33, BLOCK 20,
UNIVERSITY LANDS SURVEY, ABSTRACT NO. U28
WINKLER COUNTY, TEXAS

Point of Penetration: 447' FSL & 531' FEL
SECTION 32, BLOCK 20,
UNIVERSITY LANDS SURVEY, ABSTRACT NO. U27
WINKLER COUNTY, TEXAS

First Take Point: 100' FNL & 330' FEL
SECTION 41, BLOCK 20,
UNIVERSITY LANDS SURVEY, ABSTRACT NO. U36
WINKLER COUNTY, TEXAS

Last Take Point: 100' FSL & 330' FEL
Bottom Hole Location: 50' FSL & 330' FEL
SECTION 41, BLOCK 20,
UNIVERSITY LANDS SURVEY, ABSTRACT NO. U130
WARD COUNTY, TEXAS

TRANSGLOBAL SERVICES LLC
1100 Macon Street
Fort Worth, Texas 76102
Phone: 817-529-1180
TBPLS # 10193740

DRAWN BY: JLW	DATE: 06-10-2019
CHECKED BY: JWP	DATE: 06-10-2019
STAKED: 04-05-2019	SCALE: 1" = 1000'

Transglobal Services LLC\WPX\1812026 Ginger 29 #412H

REVISION NO. #2