



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 01/25/2021
Tracking No.: 244322

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Table with Operator, WPX ENERGY PERMIAN, LLC, Operator 942623, and address: 3500 ONE WILLIAMS CENTER MD-35 TULSA, OK 74172-0000

WELL INFORMATION

Table with well details: API 42-475-38151, Well No.: 1H, Lease UL MCNASSER 0201-17, RRC Lease 54929, Location Section: 3, Block: 17, Survey: UL, Abstract: U42, County: WARD, RRC District 08, Field PHANTOM (WOLFCAMP), Field No.: 71052900, and distance from town PYOTE.

FILING INFORMATION

Table with filing details: Purpose of Well Record Only, Type of New Well, Well Type: Shut-In Producer, Completion or Recompletion 11/05/2020, Type of Permit, Date 08/11/2020, Permit No. 863806, Rule 37 Exception, Fluid Injection, O&G Waste Disposal, Other:

COMPLETION INFORMATION

Table with completion details: Spud 09/02/2020, Date of first production after rig 11/05/2020, Date plug back, deepening, drilling operation 09/02/2020, Date plug back, deepening, recompletion, drilling operation 11/02/2020, Number of producing wells on this lease this field (reservoir) including this 9, Distance to nearest well in lease & reservoir 214.0, Total number of acres in 1293.88, Elevation 2672 RKB, Total depth TVD 10805, Total depth MD 21356, Plug back depth TVD 10805, Plug back depth MD 21297, Was directional survey made other inclination (Form W- Yes, Rotation time within surface casing Is Cementing Affidavit (Form W-15) 30.0 Yes, Recompletion or No, Multiple No, Type(s) of electric or other log(s) Gamma Ray (MWD), Electric Log Other Description:, Location of well, relative to nearest lease of lease on which this well is 206.0 Feet from the South Line and 1558.0 Feet from the East Line of the UL MCNASSER 0201-17 Lease.

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

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

FORMATION RECORD

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
BELL CANYON	Yes	4900.0	4950.0	Yes	ESTIMATED
RUSTLER	No			No	NOT GEOLOGICALLY PRESENT
YATES	No			No	NOT GEOLOGICALLY PRESENT
SEVEN RIVERS	No			No	NOT GEOLOGICALLY PRESENT
QUEEN	No			No	NOT GEOLOGICALLY PRESENT
CAPITAN REEF - HIGH FLOWS	No			No	NOT GEOLOGICALLY PRESENT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	NOT GEOLOGICALLY PRESENT
DELAWARE	No			No	NOT GEOLOGICALLY PRESENT
GLORIETA	No			No	NOT GEOLOGICALLY PRESENT
HOLT	No			No	NOT GEOLOGICALLY PRESENT
CLEARFORK	No			No	NOT GEOLOGICALLY PRESENT
TUBB	No			No	NOT GEOLOGICALLY PRESENT
CHERRY CANYON	Yes	6078.0	6177.0	Yes	
BRUSHY CANYON	Yes	7003.0	7120.0	Yes	
BONE SPRING	Yes	8059.0	8181.0	Yes	
WICHITA ALBANY	No			No	NOT PENETRATED
WOLFCAMP	No			No	NOT PENETRATED
PENNSYLVANIAN	No			No	NOT PENETRATED
ATOKA	No			No	NOT PENETRATED
DEVONIAN	No			No	NOT PENETRATED
FUSSELMAN	No			No	NOT PENETRATED
MONTOYA	No			No	NOT PENETRATED
WADDELL	No			No	NOT PENETRATED
ELLENBURGER	No			No	NOT PENETRATED
PRECAMBRIAN (UNDIFFERENTIATED)	No			No	NOT PENETRATED

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm

No

Is the completion being downhole commingled

No

REMARKS

KOP @ 10,261. WELL NOT LOGGED PRIOR TO 5,078'. FILING SIMUTANEOUSLY WITH 244325, 244326, 244327, 244328, 244329, 244330, 244331.

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2020-12-18 09:53:03.632] As-drilled plat required during IP filing.

CASING RECORD :

TUBING RECORD:

WELL NOT YET COMPLETED.

PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed	Casey Wrenn	Title:	
Telephone	(539) 573-4465	Date	01/04/2021



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION	
Operator Name: WPX ENERGY PERMIAN, LLC	Operator P-5 No.: 942623
Cementer Name: HALLIBURTON	Cementer P-5 No.: 347151

WELL INFORMATION		
District No.: 08	County: WARD	
Well No.: 1H	API No.: 42-475-38151	Drilling Permit No.: 863806
Lease Name: UL MCNASSER 0201-17	Lease No.:	
Field Name: PHANTOM (WOLFCAMP)	Field No.: 71052900	

I. CASING CEMENTING DATA		
Type of casing: <input type="checkbox"/> Conductor <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production		
Drilled hole size (in.): 17 1/2	Depth of drilled hole (ft.): 1,491	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: 11
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.): 1,373	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: >8	Calculated top of cement (ft.): SURFACE	Cementing date: 9/3/2020

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1088	C	TM	2115	812.62
2	290	C	TM	390.63	566
3					
Total	1378			2505.63	1378.62

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

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

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

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	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 SELDENRIGHT- SS1

Halliburton

Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

9/3/2020

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.

CASEY WRENN

REGULATORY TECHNICIAN II

Signature

Typed or printed name of operator's representative

Title

3500 ONE WILLIAMS CENTER, MD: 35

TULSA, OK 74127

539-573-4465

9/8/2020

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](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.



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Form W-15

Rev. 08/2014

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: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 08	County: WARD	
Well No.: 1H	API No.: 42-475-38151	Drilling Permit No.: 863806
Lease Name: UL MCNASSER 0201-17	Lease No.:	
Field Name: PHANTOM (WOLFCAMP)	Field No.: 71052900	

I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production		
Drilled hole size (in.): 12 1/4	Depth of drilled hole (ft.): 5,078	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 10 3/4	Casing weight (lbs/ft) and grade: 45.5#, J-55	No. of centralizers used: 33
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.): 5,062	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: >8	Calculated top of cement (ft.): SURFACE	Cementing date: 9/5/20

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	815	C		2033	388
2	70	C		95	4675
3					
Total	885			2128	5063

II. CASING CEMENTING DATA

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

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

III. CASING CEMENTING DATA

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

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

JERALD WATSON - Service Supervisor

Halliburton

Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

9/5/20

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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CASEY WRENN

REGULATORY TECHNICIAN II

Signature

Typed or printed name of operator's representative

Title

3500 ONE WILLIAMS CENTER, MD: 35

TULSA, OK 74127

539-573-4465

9-9-2020

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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- 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.



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Rev. 08/2014

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: HALLIBURTON	Cementer P-5 No.: 347151

WELL INFORMATION	
District No.: 08	County: WARD
Well No.: 1H	API No.: 42-475-38151 Drilling Permit No.: 863806
Lease Name: UL MCNASSER 0201-17	Lease No.:
Field Name: PHANTOM (WOLFCAMP)	Field No.: 71052900

I. CASING CEMENTING DATA	
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production	
Drilled hole size (in.): 9 7/8	Depth of drilled hole (ft.): 10,230
Size of casing in O.D. (in.): 7 5/8	Casing weight (lbs/ft) and grade: 29.7#, HCL-80
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.): 10,213
Hrs. waiting on cement before drill-out: >8	Calculated top of cement (ft.): 1,839
	Cementing date: 9/10/20

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	835	C	NEOCEM	1745.99	8009.69
2	75	C	.6% HALAD9,.025%SA1015	89.7	366.49
3					
Total	910			1835.69	8376.18

II. CASING CEMENTING DATA	
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings	
Drilled hole size (in.):	Depth of drilled hole (ft.):
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:
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
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 CEMENTING DATA	
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings	
Drilled hole size (in.):	Depth of drilled hole (ft.):
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:
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
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:

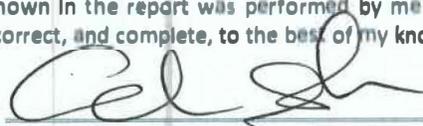
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

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.

Andrew Blaw Service Supervisor II Halliburton 
 Name and title of cementer's representative Cementing Company Signature
2311 S. First St. Artesia, NM, 88210 575-392-0700 5-13-2017
 Address City, State, Zip Code Tel: Area Code Number Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

CASEY WRENN REGULATORY TECHNICIAN II 
 Typed or printed name of operator's representative Title Signature
3500 ONE WILLIAMS CENTER, MD: 35 TULSA, OK 74127 539-573-4465 9/16/2020
 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://w@bapps.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_loc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_loc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- 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 date:** 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

Form W-15

Rev. 08/2014

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

CEMENTING REPORT

OPERATOR INFORMATION	
Operator Name: WPX ENERGY PERMIAN, LLC	Operator P-5 No.: 942623
Cementor Name: SHANE MATTHEWS	Cementor P-5 No.: 347151

WELL INFORMATION		
District No.: 08	County: WARD	
Well No.: 1H	API No.: 42-475-38151	Drilling Permit No.: 863806
Lease Name: UL MCNASSER 0201-17	Lease No.:	
Field Name: PHANTOM (WOLFCAMP)	Field No.: 71052900	

CASING CEMENTING DATA		
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Liner <input type="checkbox"/> Production		
Drilled hole size (in.): 6 3/4	Depth of drilled hole (ft.): 21,356	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 5 1/2	Casing weight (lbs/ft) and grade: 20#, P-110	No. of centralizers used: N/A
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.): 21,341	Top of liner (ft.): 10,040
		Setting depth liner (ft.): 21,341
Hrs. waiting on cement before drill-out: N/A	Calculated top of cement (ft.): 10,043	Cementing date: 11/4/2020

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1100	H	SEE REMARKS	1342	10779.11
2					
3					
Total	1100			1342	10779.11

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

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

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

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

SLURRY 1: (VERSACEM) 0.30% HALAD, 0.025% SA-1015, 0.25 LBM D-AIR, 0.35% HR-601

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.

SHANE MATTHEWS **SERVICE SUPERVISOR** **Halliburton**

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

6155 W. Murphy St. Odessa, TX, 79763 432-571-8600 11/4/2020

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.

CASEY WRENN **REGULATORY TECHNICIAN II** *Casey Wrenn*

Typed or printed name of operator's representative Title Signature

3500 ONE WILLIAMS CENTER, MD: 35 TULSA, OK 74127 539-573-4465 11/5/2020

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](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.

Tracking No.: 244322

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: 11/05/2020
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 863806	
Lease Name UL MCNASSER 0201-17	Lease/ID No. 54929	Well No. 1H
County WARD	API No. 42- 475-38151	

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). _____

Casey Wrenn

 Signature
 WPX ENERGY PERMIAN, LLC

 Name (print)

 Title
 (539) 573-4465

 Phone
 01/04/2021

 Date

-FOR RAILROAD COMMISSION USE ONLY-

WPX ENERGY



Scale: 5" / 100'
Measured Depth Log

Well Name UL McNASSER 0201-17 1H_VERTICAL

Location 206' FSL, 1,558' FEL, SEC. 1&2, BLK. 17

State TEXAS

County WARD

Country USA

Rig Number H&P 314

API Number 42475381510000

AFE # 200854

Geographic Region DELAWARE BASIN

Field GREATER HALEY

Spud Date 9/2/2020

Drilling Completed 9/9/2020

Surface Coordinates NAD83
LAT: 31.55770472°N
LON: 103.14361111°W

Bottom Hole Coordinates NAD83
LAT: 31.53051444°N
LON: 103.12944444°W

Ground Elevation 2,645'

K.B. Elevation 2,672'

Logged Interval 5,078' To 10,230'

Total Depth 10,230'

Formation BELL CANYON to 3RD BONE SPRING LIME

Type of Drilling Fluid BRINE: 5,078' to 10,230'

Operator

Company WPX Energy

Address ONE WILLIAMS CENTER
TULSA, OK 74103

Geologist

Name CAMERON ZUNDEL & AARON PALMER

Company FIELD GEO SERVICES, INC.

Address 533 BOGART LANE, UNIT A
GRAND JUNCTION, CO 81505
(970) 434-5162 OFFICE

Color Coding

■ Oil	■ Condensate	■ Gas
■ Note	■ Core	■ Pressure
■ Error	■ Water	■ Seal

WPX ENERGY



Scale: 5" / 100'
Measured Depth Log

Well Name UL McNASSER 0201-17 1H_CURVE AND LATERAL

Location 206' FSL, 1,588' FEL, SEC. 3, BLK. 17

State TEXAS

County WARD

Country USA

Rig Number H&P 314

API Number 42475381510000

AFE # 200854

Geographic Region DELAWARE BASIN

Field GREATER HALEY

Spud Date 10/9/2020

Drilling Completed 11/2/2020

Surface Coordinates NAD83
LAT: 31.55767944°N
LON: 103.14388889°W

Bottom Hole Coordinates NAD83
LAT: 31.53033500°N
LON: 103.13000000°W

Ground Elevation 2,645'

K.B. Elevation 2,672'

Logged Interval 10,230' To 21,356'

Total Depth 21,356'

Formation 3RD BONE SPRING LIME

Type of Drilling Fluid OBM: 10,230' - 21,356'

Operator

Company WPX Energy

Address ONE WILLIAMS CENTER
TULSA, OK 74103

Geologist

Name CAMERON ZUNDEL, JEFFREY HAWS, LARRY QUAINANCE

Company FIELD GEO SERVICES, INC.

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



Rock Types

UNKNOWN	ANHYDRITE	DOLOMITE	SHALE GRAY
GYPSUM	SALT	CHERT	SHALE COL
SIDERITE or LIMONITE	LIMESTONE	COAL	SILTSTONE
		MARLSTONE	SANDSTONE
		CLAYSTONE	CONGLOMERATE
		SHALE	BRECCIA

CERTIFICATE OF COMPLIANCE
 AND TRANSPORTATION AUTHORITY

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.: 244322

1. Field name exactly as shown on proration schedule PHANTOM (WOLFCAMP)		2. Lease name as shown on proration schedule UL MCNASSER 0201-17				
3. Current operator name exactly as shown on P-5 Organization Report WPX ENERGY PERMIAN, LLC		4. Operator P-5 no. 942623	5. Oil Lse/Gas ID no. 54929	6. County WARD	7. RRC district 08	
8. Operator address including city, state, and zip code 3500 ONE WILLIAMS CENTER MD-35 TULSA, OK 74172		9. Well no(s) (see instruction E) 1H				
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)		11. Effective Date 11/05/2020		
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G)						
a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____						
- - - OR - - -						
b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____						
Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)						
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).						
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <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		TARGA DELAWARE LLC(836022)			100.0	
	X	TARGA DELAWARE LLC(836022)		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 <i>(Attach an additional sheet in same format if more space is needed)</i>						Percent of Take
PLAINS MARKETING, L.P.(667883)						100.0
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>01/25/2021</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 _____			Signature _____			
Name (print) _____			<input type="checkbox"/> Authorized Employee of previous operator		<input type="checkbox"/> Authorized agent of previous operator (see instruction G)	
Title _____			Date _____		Phone with area code _____	
16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.						
Name (print) <u>WPX ENERGY PERMIAN, LLC</u>			Signature <u>Casey Wrenn</u>			
Title _____			<input checked="" type="checkbox"/> Authorized Employee of current operator		<input type="checkbox"/> Authorized agent of current operator (see instruction G)	
E-mail Address (optional) <u>casey.wrenn@wpxenergy.com</u>			Date <u>12/16/2020</u>		Phone with area code <u>(539) 573-4465</u>	
			Date _____		Phone with area code _____	

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued:	16 June 2020	GAU Number:	276762
Attention:	WPX ENERGY PERMIAN, LLC 3500 ONE WILLIAMS CENTER TULSA, OK 74172	API Number:	47538146
Operator No.:	942623	County:	WARD
		Lease Name:	UL MCNASSER 0201-17
		Lease Number:	
		Well Number:	2H
		Total Vertical Depth:	14000
		Latitude:	31.557678
		Longitude:	-103.143758
		Datum:	NAD27

Purpose: New Production Well
Location: Survey-UL; Abstract-U42; Block-17; Section-3

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 the base of the Rustler, which is estimated to occur at a depth of 1300 feet, must be protected.

In addition, the Capitan Reef must be protected if it is penetrated.

This recommendation is applicable to all wells within a radius of 200 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.

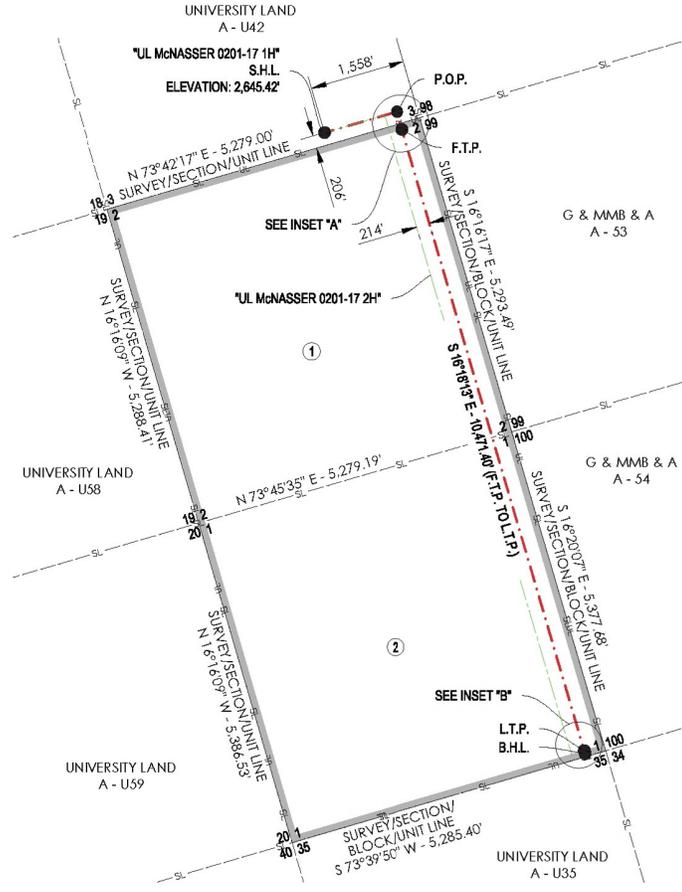
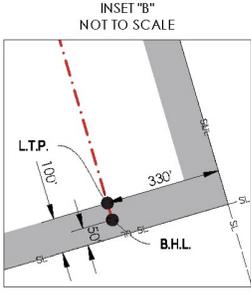
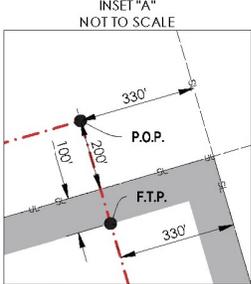
This determination is based on information provided when the application was submitted on 06/16/2020. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

WPX ENERGY PERMIAN, LLC
WARD COUNTY, TEXAS
S.H.L. 206' FSL - 1,558' FEL, SECTION 3, BLOCK 17

LEGEND

- UL — UNIT LINE
- - - SL - SECTION LINE
- - - - - PROPOSED WELL PATH
- - - - - NEAREST PROPOSED WELL PATH
- S.H.L. SURFACE HOLE LOCATION
- P.O.P. POINT OF PENETRATION
- F.T.P. FIRST TAKE POINT
- TP TURNING POINT
- L.T.P. LAST TAKE POINT
- B.H.L. BOTTOM HOLE LOCATION



① SEC. 2 - BLOCK 17
 641.22 ACRES
 UNIVERSITY LAND
 A - U41
 "UL LEASE 111444"

② SEC. 1 - BLOCK 17
 652.66 ACRES
 UNIVERSITY LAND
 A - U40
 "UL LEASE 111443"

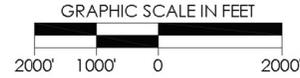
OPERATOR: WPX ENERGY PERMIAN, LLC

WELL NAME: UL McNASSER 0201-17 **WELL NO:** 1H

TOPOGRAPHIC & VEGETATION: FLAT LOCATION WITH LOW LYING BRUSH

GOOD DRILL SITE: YES **REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET:** NONE

BEST ACCESSIBILITY TO LOCATION: FROM WEST



DISTANCE & DIRECTION
 FROM HWY JCT OR TOWN: ±1.85 MILES NORTHWEST OF PYOTE, TX
 FROM THE INTERSECTION OF PYOTE STREET AND 3RD STREET, HEAD WEST ON PYOTE STREET FOR ±3.1 MILES, TURN RIGHT ONTO EXISTING LEASE ROAD FOR ±0.10, TURN RIGHT ONTO EXISTING LEASE ROAD FOR ±0.58, TURN RIGHT ONTO EXISTING ACCESS ROAD AND FOLLOW FOR ±0.38, TURN LEFT ONTO PROPOSED ACCESS ROAD AND CONTINUE TO PAD.

WELL PATH DATA

LINE	BEARING	DISTANCE
S.H.L. TO P.O.P.	N 73°58'40" E	1,228.23'
P.O.P. TO F.T.P.	S 16°18'13" E	300.00'
F.T.P. TO L.T.P.	S 16°18'13" E	10,471.40'
L.T.P. TO B.H.L.	S 16°18'13" E	50.00'

CALLS FROM SECTION LINE

S.H.L.	206' FSL, 1,558' FEL (SEC. 3)
P.O.P.	200' FSL, 330' FEL (SEC. 3)
F.T.P.	100' FNL, 330' FEL (SEC. 2)
L.T.P.	100' FSL, 330' FEL (SEC. 1)
B.H.L.	50' FSL, 330' FEL (SEC. 1)

SURFACE HOLE LOCATION:
 206' FSL & 1,558' FEL (SEC. 3)
 CIRCUID ELEVATION: 2,645.42'
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 698811.33, EASTING: 1124732.12
 LATITUDE: N 31.557704759°, LONGITUDE: W 103.143665339°
NAD 83 TEXAS CENTRAL ZONE
 NORTHING: 10541386.86, EASTING: 1421198.13
 LATITUDE: N 31.55783744°, LONGITUDE: W 103.14410531°

POINT OF PENETRATION:
 200' FSL & 330' FEL (SEC. 3)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 699150.33, EASTING: 1125912.62
 LATITUDE: N 31.559718389°, LONGITUDE: W 103.139904079°
NAD 83 TEXAS CENTRAL ZONE
 NORTHING: 10541725.86, EASTING: 1422378.65
 LATITUDE: N 31.55985109°, LONGITUDE: W 103.140343859°

FIRST TAKE POINT:
 100' FNL & 330' FEL (SEC. 2)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 698862.40, EASTING: 1125996.84
 LATITUDE: N 31.557932889°, LONGITUDE: W 103.13961046°
NAD 83 TEXAS CENTRAL ZONE
 NORTHING: 10541437.93, EASTING: 1422462.86
 LATITUDE: N 31.558065579°, LONGITUDE: W 103.14005022°

LAST TAKE POINT:
 100' FSL & 330' FEL (SEC. 1)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 688712.19, EASTING: 1128936.32
 LATITUDE: N 31.530514639°, LONGITUDE: W 103.12936534°
NAD 83 TEXAS CENTRAL ZONE
 NORTHING: 10531387.60, EASTING: 1425402.46
 LATITUDE: N 31.53044796°, LONGITUDE: W 103.12960436°

BOTTOM HOLE LOCATION:
 50' FSL & 330' FEL (SEC. 1)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 688764.20, EASTING: 1128950.36
 LATITUDE: N 31.530383719°, LONGITUDE: W 103.12931644°
NAD 83 TEXAS CENTRAL ZONE
 NORTHING: 10531339.62, EASTING: 1425416.50
 LATITUDE: N 31.53051704°, LONGITUDE: W 103.12975545°

UNIT CORNERS

LOCATION	STATE PLANE TEXAS CENTRAL (2609)	GEOGRAPHIC (4267)
NE CORNER SEC. 2-BLK 17	N = 998050.97 E = 1128285.51	LAT: 31.55847115° LONG: -103.1386928°
SE CORNER SEC. 1-BLK 17	N = 888809.03 E = 1128281.07	LAT: 31.53052976° LONG: -103.12825896°
SW CORNER SEC. 1-BLK 17	N = 887322.41 E = 1124209.11	LAT: 31.52809283° LONG: -103.14441197°
NW CORNER SEC. 2-BLK 17	N = 697568.78 E = 1121218.65	LAT: 31.55404800° LONG: -103.15484082°



CONTACT INFORMATION:
 Shannon D. Ozment
 Crafton Tull (10193715)
 1000 Ledgewood Dr.
 Conway, AR 72034

GENERAL NOTES

- THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON REASONABLE VISUAL OBSERVATION. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREIN. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, THE OFFICES OF THE VARIOUS UTILITIES SERVICING THIS AREA SHOULD BE CONTACTED FOR THEIR UTILITY LOCATION.
- BASIS OF BEARINGS: TEXAS STATE PLANE GRID, CENTRAL ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION.
- VERTICAL DATUM IS NAVD 88
- AREAS, DISTANCES, AND COORDINATES ARE "GRID" BASED ON U.S. SURVEY FEET.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY.

REVISION

1	REVISE P.O.P. 6-2-20
2	REVISE F.T.P. & L.T.P. 8-5-20

"UL McNASSER 0201-17 1H"

SECTION 2, BLOCK 17 - 641.22 ACRES
 SECTION 1, BLOCK 17 - 652.66 ACRES
 PROPOSED DRILL SITE
 WARD COUNTY, TEXAS



1000 Ledgewood Dr
 Conway, Arkansas 72034

501.328.3316 | 501.328.3325 f
 www.craftontull.com

SCALE: 1" = 2000'	CHECKED BY: HFD	APPROVED BY: J.PARKER
PLOT DATE: 08-06-2020	DRAWN BY: L.DOW	SHEET NO.: 1 OF 1