



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 05/09/2018
Tracking No.: 189132

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

OPERATOR INFORMATION

Operator Name: FELIX ENERGY HOLDINGS II, LLC **Operator No.:** 265322
Operator Address: FELIX ENERGY 1530 16TH ST SUITE 500 DENVER, CO 80202-0000

WELL INFORMATION

API No.: 42-495-33843 **County:** WINKLER
Well No.: 1H **RRC District No.:** 08
Lease Name: UL URAD 1609-21 **Field Name:** PHANTOM (WOLFCAMP)
RRC Lease No.: 49852 **Field No.:** 71052900
Location: Section: 16, Block: 21, Survey: UL, Abstract:

Latitude: **Longitude:**
This well is located 4.61 **miles in a** W
direction from WINK,
which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: New Well
Well Type: Producing **Completion or Recompletion Date:** 08/19/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen Rule 37 Exception	04/21/2017	825440
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 05/28/2017 **Date of first production after rig released:** 08/19/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 05/28/2017 **Date plug back, deepening, recompletion, or drilling operation ended:** 07/04/2017
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: 641.11 **Elevation (ft.):** 2807 GR
Total depth TVD (ft.): 12182 **Total depth MD (ft.):** 22453
Plug back depth TVD (ft.): **Plug back depth MD (ft.):**
Was directional survey made other than inclination (Form W-12)? Yes **Rotation time within surface casing (hours):** 48.0
Recompletion or reclass? No **Is Cementing Affidavit (Form W-15) attached?** Yes
Type(s) of electric or other log(s) run: Gamma Ray (MWD) **Multiple completion?** No
Electric Log Other Description:
Location of well, relative to nearest lease boundaries **Off Lease :** No
of lease on which this well is located: 358.0 **Feet from the** West **Line and**
337.0 **Feet from the** South **Line of the**
UL URAD 1609-21 **Lease.**

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

Field & Reservoir Gas ID or Oil Lease No. Well No. Prior Service Type

PACKET: N/A

W2: N/A

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

GAU Groundwater Protection Determination **Depth (ft.):** 950.0 **Date:** 04/13/2017
SWR 13 Exception **Depth (ft.):**

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 09/22/2017 **Production method:** Flowing
Number of hours tested: 24 **Choke size:** 25
Was swab used during this test? No **Oil produced prior to test:** 20637.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLs): 1449.00 **Gas (MCF):** 1270
Gas - Oil Ratio: 876 **Flowing Tubing Pressure:** 3449.00
Water (BBLs): 4787

CALCULATED 24-HOUR RATE

Oil (BBLs): 1449.0 **Gas (MCF):** 1270
Oil Gravity - API - 60.: 40.6 **Casing Pressure:** 0.00
Water (BBLs): 4787

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	13 3/8	17 1/2	1105		DIVERSE AND LITE C	1100	1922.0	SURF ACE	Circulated to Surface
2	Intermediate	10 3/4	12 1/4	5090		65:35 C POZ AND 50:50 C POZ	1180	278.7	SURF ACE	Circulated to Surface
3	Intermediate	7 5/8	9 7/8	11695	5256	5050 POZ C AND POZ H	961	2073.3	5256	Calculation
4	Intermediate	7 5/8	9 7/8	11695		5050 POZ C AND C	564	1171.6	SURF ACE	Circulated to Surface
5	Conventional Production	5 1/2	6 3/4	22435		5050DO35 H-84	1545	1854.0	4901	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
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N/A

TUBING RECORD

Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	11797	11789 / AS1-X

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 12764	22287.0

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

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 13118

Actual maximum pressure (PSIG) during hydraulic fracturing: 12143

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	789,026 SLICKWATER BBLS AND 25,935,558 LBS PROPPANT	12764 22287

FORMATION RECORD

Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
RUSTLER - POSSIBLE FLOW; POSSIBLE USABLE QUALITY W COLBY-QUEEN	Yes	870.0	870.0	Yes	
YATES	No			No	NOT PRESENT
QUEEN-SEVEN RIVERS	No			No	NOT PRESENT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE HOLT	No			No	NOT PRESENT
DELAWARE	Yes	5101.0	5125.0	Yes	
GLORIETA	No			No	NOT PRESENT
CLEARFORK	No			No	NOT PRESENT
WICHITA ALBANY	No			No	NOT PRESENT
BRUSHY CANYON	No			No	NOT PRESENT
CHERRY CANYON	Yes	6053.0	6077.0	Yes	
CANYON	No			No	NOT PRESENT
BONE SPRINGS	Yes	8784.0	8809.0	Yes	
MONTOYA	No			No	NOT PRESENT
WADDELL	No			No	NOT PRESENT
WOLFCAMP	Yes	11905.0	11960.0	Yes	
ATOKA	No			No	NOT PENETRATED
STRAWN	No			No	NOT PENETRATED
PENNSYLVANIAN	No			No	NOT PENETRATED
MISSISSIPPIAN	No			No	NOT PENETRATED
DEVONIAN	No			No	NOT PENETRATED
SILURIAN	No			No	NOT PENETRATED
FUSSELMAN	No			No	NOT PENETRATED
ELLENBURGER	No			No	NOT PENETRATED

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

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2018-05-07 11:42:04.449] EDL=9523 feet, max acres=704, PHANTOM (WOLFCAMP) oil or gas well

CASING RECORD :

KICK OFF POINT AT 11,755'

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

FTP AND LTP 12035-22344 SEE ATTACHED AS DRILLED PLAT

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Heather Dahlgren

Title: Felix Admin Services

Telephone No.: (720) 974-2069

Date Certified: 05/04/2018



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:	FELIX ENERGY HOLDINGS Holdings LLC	Operator P-5 No.:	265322
Cementer Name:	TRANS TEX CEMENTING SERVICES, LLC	Cementer P-5 No.:	864412

WELL INFORMATION

District No.:	08	County:	WINKLER -WARD-
Well No.:	UL URAD 1609-21 - 1H	API No.:	43-495-33843
Lease Name:	UL Urad 1609-21	Drilling Permit No.:	825440
Field Name:	PHANTOM (WOLF CAMP)	Lease No.:	#1H
		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.):	17.5	Depth of drilled hole (ft.):	1105 1120	Est. % wash-out or hole enlargement:	12%
Size of casing in O.D. (in.):	13.375	Casing weight (lbs/ft) and grade:	J55 54.5 #1H	No. of centralizers used:	9
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.):	Top of liner (ft.):	
			1105' MD	Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:	16	Calculated top of cement (ft.):	0	Cementing date:	5/29/2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	670	TRANS TEX DIVERSE	SEE REMARKS	1232	1775
2	430	TRANS TEX LITE "C"	SEE REMARKS	697	1009
3					
Total	1100			1922	2784

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

SLURRY

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

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	<input type="checkbox"/> Multiple parallel strings
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:		
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:		
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)				
Upper:	Lower:	Upper:	Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used		
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" 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					

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	4/17/2017						
Size of hole or pipe (in.)	5 1/2						
Depth to bottom of tubing or drill pipe (ft.)	4284						
Cement retainer setting depth (ft.)	4284						
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used	200						
Slurry volume pumped (cu. ft.)	312						
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)	14.2#						
Class/type of cement	"C"						
Perforate and squeeze (YES/NO)	YES						
REMARKS							
TRANS TEX DIVERSE 6%GEL+2%CACL+1.5#PHENO+1/8#CELLO+1.5%CAS-2+.2CFL-1							
TRANS TEX LITE "C" 1%CACL+1/8#CELLO+.2%CFI-1							
CIRCULATED CEMENT BACK 174 BBLs=531 SKS							
0							

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.

J. GALVAN
Name and title of cementer's representative

TRANS TEX CEMENTING
Cementing Company

J. Cohen
Signature

5019 BASIN ST MIDLAND, TX 79703
Address City, State, Zip Code

432-694-4900
Tel: Area Code Number

5/29/2017
Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, 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.

Edward Asuchak
Typed or printed name of operator's representative

CO-MAN.
Title

E. Asuchak
Signature

156016th St Ste 500 Denver CO 80202
Address City, State, Zip Code

720-606-3886
Tel: Area Code Number

05 29 17.
Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).
- 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_floc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&ri=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_floc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&ri=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



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: FELIX ENERGY
Cementer Name: Schlumberger
Operator P-5 No.:
Cementer P-5 No.: 754900

WELL INFORMATION
District No.: 09
Well No.: 211H-1H
Lease Name: UL URAD 1609-21
Field Name: Phantom (Wolf camp)
County: Winkler
API No.: 42-495-33843
Drilling Permit No.: 025440
Lease No.:
Field No.: 71052900

I. CASING CEMENTING DATA
Type of casing: [] Conductor [] Surface [X] Intermediate [] Liner [] Production
Drilled hole size (in.): 12 1/4
Depth of drilled hole (ft.): 5105
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 #J55
No. of centralizers used: 40
Was cement circulated to ground surface (or bottom of cellar) outside casing? [X] Yes [] No
Setting depth shoe (ft.): 5090
Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 10
Calculated top of cement (ft.): 0
Cementing date: 3-Jun-17

SLURRY table with columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)
Row 1: 1, 927, 65:35 C POZ, Remarks, 243.4, 4490
Row 2: 2, 253, 50:50 C POZ, Remarks, 35.3, 600
Row 3: 3, , , , ,
Total: 1180, , , , 278.7, 5090

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

SLURRY table with columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)
Row 1: 1, , , , ,
Row 2: 2, , , , ,
Row 3: 3, , , , ,
Total: , , , , ,

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

SLURRY table with columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)
Row 1: 1, , , , ,
Row 2: 2, , , , ,
Row 3: 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

#1: 61PPS D903 + 26PPS D035 + 4% D020 + 0.13PPS D130 + 0.1% D065 + 0.02GPS D047 + 0.1% D013 + 8% D044
 #2: 47PPS D903 + 37PPS D035 + 1% D020 + 0.13PPS D130 + 0.1% D065 + 0.02GPS D047 + 0.3% D013 + 5% D044
 #3:
 20 BBL CEMENT / 56 SACKS TO SURFACE

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.

<u>GREG SULLIVAN, FE</u>	<u>Schlumberger</u>	<i>Greg Sullivan</i>
Name and title of cementer's representative	Cementing Company	Signature
<u>7104 W County Rd 116</u>	<u>Midland TX 79706</u>	<u>(432) 681-1100</u>
Address	City, State, Zip Code	Tel: Area Code Number
		<u>June 3, 2017</u>
		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.

<u>HEATHER DAHLGREN</u>	<u>ENGTECH</u>	
Typed or printed name of operator's representative	Title	Signature
<u>153016th St Ste 500 Denver CO 80202</u>	<u>720-974-2069</u>	<u>3/3/2018</u>
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.



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: 0	Operator P-5 No.:
Cementer Name: Schlumberger	Cementer P-5 No.: 754900

WELL INFORMATION

District No.: 093	County: WINKLER
Well No.: 1H	API No.: 42-495-33843 Drilling Permit No.: 025440
Lease Name: UL URAD 1609-21-1H	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.): _____ 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: _____

Was cement circulated to ground surface (or bottom of cellar) outside casing? Yes No If no for surface casing, explain in Remarks. _____ Setting depth shoe (ft.): _____ Top of liner (ft.): _____

Setting depth liner (ft.): _____

Hrs. waiting on cement before drill-out: _____ Calculated top of cement (ft.): _____ Cementing date: _____

SLURRY

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

II. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement shoe Multiple parallel strings

Drilled hole size (in.): **9.88** Depth of drilled hole (ft.): **11710 11700** Est. % wash-out or hole enlargement: **20%**

Size of casing in O.D. (in.): **7 5/8** Casing weight (lbs/ft) and grade: **29.7 P110** No. of centralizers used: **49**

Tapered string drilled hole size (in.) _____ Tapered string depth of drilled hole (ft.) _____

Upper: _____ Lower: _____ Upper: _____ Lower: _____

Tapered string size of casing in O.D. (in.) _____ Tapered string casing weight (lbs/ft) and grade _____ Tapered string no. of centralizers used _____

Upper: _____ Lower: _____ Upper: **shoe** Lower: _____

Was cement circulated to ground surface (or bottom of cellar) outside casing? Yes No Setting depth tool (ft.): **5256 11695**

Hrs. waiting on cement before drill-out: _____ Calculated top of cement (ft.): **5256** Cementing date: **12-Jun-17**

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	860	50:50 POZ C	Remarks	1917.8	5950
2	101	50:50 POZ H	Remarks	155.5	500
3					
Total	961			2073.3	6450

III. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement/DV tool Multiple parallel strings

Drilled hole size (in.): **9.88** Depth of drilled hole (ft.): **11710 11700** Est. % wash-out or hole enlargement: _____

Size of casing in O.D. (in.): **7 5/8** Casing weight (lbs/ft) and grade: **P110 29.7** No. of centralizers used: _____

Tapered string drilled hole size (in.) _____ Tapered string depth of drilled hole (ft.) _____

Upper: _____ Lower: _____ Upper: _____ Lower: _____

Tapered string size of casing in O.D. (in.) _____ Tapered string casing weight (lbs/ft) and grade _____ Tapered string no. of centralizers used _____

Upper: _____ Lower: _____ Upper: _____ Lower: _____

Was cement circulated to ground surface (or bottom of cellar) outside casing? Yes No Setting depth tool (ft.): **5256**

Hrs. waiting on cement before drill-out: **5** Calculated top of cement (ft.): **Surface** Cementing date: **12-Jun-17**

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	514	50:50 POZ C	Remarks	1105.1	4950
2	50	C	Remarks	66.5	300
3					
Total	564			1171.6	5250

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)							

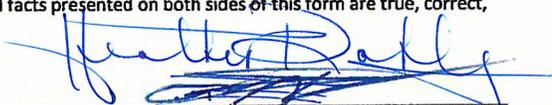
REMARKS

Stage 1 Lead Additives: 50:50 POZ + 10%D020 + 0.8%D013 + 0.25%D079 + 0.04gal/skD177
 Stage 1 Tail Additives: 50:50 POZ +3%D020+0.2%D013+0.1%D065+0.3%D238+0.1%D208+0.25%D079
 Stage 2 Lead Additives: 50:50 POZ + 5% D020 + 0.25% D079
 Stage 2 Tail Additives: CLASS C + 0.03gal/sk D177

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.

<u>Tim Hammer, FS</u>	<u>Schlumberger</u>	
Name and title of cementer's representative	Cementing Company	Signature
<u>7104 W County Rd 116</u> <u>Midland</u> <u>TX</u> <u>79706</u>	<u>(432) 681-1100</u>	<u>June 12, 2017</u>
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.

<u>HEATHER DANLORSEN</u> <u>ENGTECH</u>	
Typed or printed name of operator's representative	Title
<u>53016th St, 500 Denver CO 80202</u> <u>720-974-2069</u>	<u>3/3/2018</u>
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.
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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.



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: Felix
Operator P-5 No.:
Cementer Name: Schlumberger
Cementer P-5 No.: 754900

WELL INFORMATION

District No.: 09
County: Winkler
Well No.: 16-9211H-1H
API No.: 42-495-33843
Lease Name: UL Urad 1609-21
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 3/4
Depth of drilled hole (ft.): 22453
Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 5 1/2
Casing weight (lbs/ft) and grade: 23# P110
No. of centralizers used: 0
Setting depth shoe (ft.): 22435
Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.): 4901
Cementing date: 4-Jul-17

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)

II. CASING CEMENTING DATA

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

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)

III. CASING CEMENTING DATA

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

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu.ft.), Height (ft.)

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

#1: 5050D035H-84+0.2%D255+0.5%D800+2%D020+0.05%D208+0.02D047+0.01D177
 #2:
 #3:
 #4:

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<u>Clint Thompson, Field Specialist</u>	<u>Schlumberger</u>	<u>[Signature]</u>
Name and title of cementer's representative	Cementing Company	Signature
7104 W County Rd 116 Midland TX 79706	(432) 681-1100	July 4, 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.

<u>HEATHER DAHLGREN ENG TECH</u>	<u>[Signature]</u>	<u>[Signature]</u>
Typed or printed name of operator's representative	Title	Signature
1530 16th St Denver CO 80202	720-974-2069 3/3/18	07/03/17
Address City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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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.

Tracking No.: 189132

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: FELIX ENERGY HOLDINGS II, LLC	District No. 08	Completion Date: 08/19/2017
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 825440	
Lease Name UL URAD 1609-21	Lease/ID No. 49852	Well No. 1H
County WINKLER	API No. 42- 495-33843	

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). _____

Heather Dahlgren

 Signature
 FELIX ENERGY HOLDINGS II, LLC

 Name (print)

Felix Admin Services

 Title
 (720) 974-2069

 Phone
 03/16/2018

 Date

-FOR RAILROAD COMMISSION USE ONLY-



**RATE OF PENETRATION
TEMPERATURE
GAMMA RAY**

**1" / 5" MD LOG
1:1200 / 1:240**

County : Winkler County, TX	Company : Felix Energy
Field : Phantom (Wolfcamp)	Rig : Cactus 129
Location : Lat: 31° 43' 50.69" North Long: 103° 14' 15.21" West	Well : UL URAD 1609-21 1H
Well : UL URAD 1609-21 1H	Field : Phantom (Wolfcamp)
Company : Felix Energy	County : Winkler County, TX
Rig : Cactus 129	API Number : 42-495-33843-0000
LOCATION Latitude : 31° 43' 50.69" North Longitude : 103° 14' 15.21" West StatePlane X = 1,097,139.290 usft StatePlane Y = 762,484.580 usft	Other Services Directional Drilling

Permanent Datum : Ground Level	Elevation : 2806.65 ft	Elev. KB : N/A
Log Measured From : Drill Floor	30.00 ft Above Permanent Datum	DF : 2836.65 ft
Drilling Measured From : Drill Floor		GL : 2806.65 ft
		WD : N/A

MD LOG

Depth Logged : 5,105.00 ft To 22,453.00 ft	Unit No. : 11674750	Job No. : MO-XX-0904047091
Date Logged : 26-May-17 To 02-Jul-17		
Total Depth MD : 22,453.00 ft TVD: 12,182.62 ft	Plot Type : Final	
Spud Date : 26-May-17	Plot Date : 02-Jul-17	

Run No.	Borehole Record (MD)			Size	Casing Record (MD)		
	Size	From	To		Weight	From	To
0300	9.875 in	5,105.00 ft	8,600.00 ft	20.000 in	120.00 lbpf	SURFACE	80.00 ft
0400	9.875 in	8,600.00 ft	9,628.00 ft	13.375 in	68.00 lbpf	SURFACE	1,120.00 ft
0500	9.875 in	9,628.00 ft	10,511.00 ft	10.750 in	45.50 lbpf	SURFACE	5,090.00 ft
0600	9.875 in	10,511.00 ft	11,710.00 ft	7.625 in	29.70 lbpf	SURFACE	11,695.00 ft
0700	6.750 in	11,710.00 ft	12,680.00 ft				
0800	6.750 in	12,680.00 ft	14,566.00 ft				
0900	6.750 in	14,566.00 ft	15,123.00 ft				
1000	6.750 in	15,123.00 ft	18,758.00 ft				
1100	6.750 in	18,758.00 ft	22,453.00 ft				

WELL INFORMATION

Run Number	Run completed						
0300	04-Jun-17	0400	05-Jun-17	500	07-Jun-17	600	10-Jun-17
0400	04-Jun-17 04:17	0400	04-Jun-17 18:47	0500	07-Jun-17 07:00	0600	10-Jun-17 09:40
0500	04-Jun-17 05:40	0400	05-Jun-17 12:10	0600	07-Jun-17 05:30	0600	10-Jun-17 08:40
0600	0.35 @ 8,490	0400	0.55 @ 8,772	0700	0.28 @ 9,997	0600	0.28 @ 10,575
0700	1.67 @ 7,735	0400	1.92 @ 9,243	0800	1.33 @ 9,713	0600	2.95 @ 11,610
0800	1.37 / PDC	0400	1.37 / PDC	0900	1.37 / PDC	0600	1.37 / PDC
0900	850	0400	800	1000	850	0600	845
1000	516 / 67	0400	378 / 68	1100	395 / 63	0600	393 / 63
1100	Native/Spud Mud	0400	Native/Spud Mud	1200	Native/Spud Mud	0600	Native/Spud Mud
	9.2 / 30	0400	9 / 31	1300	9 / 32	0600	9 / 31
	42,000	0400	51,000	1400	82,000	0600	57,000
	11 / 1	0400	10 / 1	1500	11 / 1	0600	9 / 1
	1 / 1	0400	1 / 1	1600	1 / 1	0600	1 / 1
	2.5 / 0.25	0400	3 / 0.25	1700	4.5 / .25	0600	3 / 0.25
	0 / 0:100	0400	0 / 0:100	1800	0 / 0:100	0600	0 / 0:100
	N/A @ N/A	0400	N/A @ N/A	1900	N/A @ N/A	0600	N/A @ N/A
	N/A @ N/A	0400	N/A @ N/A	2000	N/A @ N/A	0600	N/A @ N/A
	N/A @ N/A	0400	N/A @ N/A	2100	N/A @ N/A	0600	N/A @ N/A
	150 / PCM	0400	151 / PCM	2200	167 / PCM	0600	168 / PCM
	N/A @ 150	0400	N/A @ 151	2300	N/A @ 167	0600	N/A @ 168
	Peters Okolie	0400	Peters Okolie	2400	Peters Okolie	0600	Peters Okolie
	Ed Asuchak	0400	Ed Asuchak	2500	Ed Asuchak	0600	Ed Asuchak
		0400		2600		0600	
		0400		2700		0600	
		0400		2800		0600	
		0400		2900		0600	
		0400		3000		0600	
		0400		3100		0600	
		0400		3200		0600	
		0400		3300		0600	
		0400		3400		0600	
		0400		3500		0600	
		0400		3600		0600	
		0400		3700		0600	
		0400		3800		0600	
		0400		3900		0600	
		0400		4000		0600	
		0400		4100		0600	
		0400		4200		0600	
		0400		4300		0600	
		0400		4400		0600	
		0400		4500		0600	
		0400		4600		0600	
		0400		4700		0600	
		0400		4800		0600	
		0400		4900		0600	
		0400		5000		0600	
		0400		5100		0600	
		0400		5200		0600	
		0400		5300		0600	
		0400		5400		0600	
		0400		5500		0600	
		0400		5600		0600	
		0400		5700		0600	
		0400		5800		0600	
		0400		5900		0600	
		0400		6000		0600	
		0400		6100		0600	
		0400		6200		0600	
		0400		6300		0600	
		0400		6400		0600	
		0400		6500		0600	
		0400		6600		0600	
		0400		6700		0600	
		0400		6800		0600	
		0400		6900		0600	
		0400		7000		0600	
		0400		7100		0600	
		0400		7200		0600	
		0400		7300		0600	
		0400		7400		0600	
		0400		7500		0600	
		0400		7600		0600	
		0400		7700		0600	
		0400		7800		0600	
		0400		7900		0600	
		0400		8000		0600	
		0400		8100		0600	
		0400		8200		0600	
		0400		8300		0600	
		0400		8400		0600	
		0400		8500		0600	
		0400		8600		0600	
		0400		8700		0600	
		0400		8800		0600	
		0400		8900		0600	
		0400		9000		0600	
		0400		9100		0600	
		0400		9200		0600	
		0400		9300		0600	
		0400		9400		0600	
		0400		9500		0600	
		0400		9600		0600	
		0400		9700		0600	
		0400		9800		0600	
		0400		9900		0600	
		0400		10000		0600	

**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.: 189132

1. Field name exactly as shown on proration schedule PHANTOM (WOLFCAMP)		2. Lease name as shown on proration schedule UL URAD 1609-21					
3. Current operator name exactly as shown on P-5 Organization Report FELIX ENERGY HOLDINGS II, LLC		4. Operator P-5 no. 265322	5. Oil Lse/Gas ID no. 49852	6. County WINKLER	7. RRC district 08		
8. Operator address including city, state, and zip code FELIX ENERGY 1530 16TH ST SUITE 500 DENVER, CO 80202		9. Well no(s) (see instruction E) 1H			11. Effective Date 08/19/2017		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G)							
a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____							
- - - OR - - -							
b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ Due to: <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)							
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (Attach an additional sheet in same format if more space is needed)			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	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 (Attach an additional sheet in same format if more space is needed)						Percent of Take	
WESTERN REFINING COMPANY, L.P.(912206)						100.0	
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>05/09/2018</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.							
<u>FELIX ENERGY HOLDINGS II, LLC</u> Name (print)				<u>Heather Dahlgren</u> Signature			
<u>Felix Admin Services</u> Title				<input checked="" type="checkbox"/> Authorized Employee of current operator		<input type="checkbox"/> Authorized agent of current operator (see instruction G)	
<u>heatherd@felix-energy.com</u> E-mail Address (optional)				<u>05/03/2018</u> Date		<u>(720) 974-2069</u> Phone with area code	

Railroad Commission of Texas

Oil And Gas Division

Form P-8

Request for Clearance of Storage Tanks

Prior to Potential Test

Reference No. 40488

1. Operator's Name and Address (Exactly as shown on Form P-5 Organization Report) FELIX ENERGY HOLDINGS II, LLC FELIX ENERGY 1530 16TH ST SUITE 500 DENVER, CO 80202-0000 2. RRC Operator Number: <u>265322</u>		3. RRC District No. 08
		4. County of Well Site WINKLER
		5. API No. 42-495-33843
6. Field Name (Wildcat or exactly as shown on RRC records) PHANTOM (WOLFCAMP)	7. Drilling Permit No. 825440	8. Rule 37 Case No.
9. Lease Name UL URAD 1609-21	10. Oil lease No.	11. Well No. 1H
12. Drilling completed on <u>07/04/2017</u>	13. Completion report--Form W-2 or G-1--will be filed on <u>01/15/2018</u>	
14. Oil or condensate gatherer's name and address GENESIS CRUDE OIL, L.P. 919 MILAM SUITE 2100 HOUSTON, TX 77002 (713) 860-2500	15. Authorization to transport oil or condensate (mark one)	
	<input checked="" type="checkbox"/> Form P-4 attached <input checked="" type="checkbox"/> Form P-4 Filed on <u>07/13/2017</u>	
16. This request is for <u>75000</u> barrels of <input checked="" type="checkbox"/> crude oil OR <input type="checkbox"/> condensate	17. Amount of oil/condensate in tanks <u>1500</u> barrels on <u>11/21/2017</u>	
18. Storage capacity in bbls. Tank battery <u>2000</u> Test tanks <u>0</u> Total <u>2000</u>		
19. Previous request for clearance. Amount <u>75000</u> barrels granted on <u>07/14/2017</u>		
20. Reason for current request for clearance (explain briefly) Continue flow back and test		
Heather Dahlgren	ENG TECH	
Name of operator's representative	Title of person	
(720) 974-2069	11/21/2017	
Telephone	Date	
RRC District Office Action		
Status: Approved	Barrels recommended <u>75000</u>	RRC Staff <u>11/21/2017</u> Date

Railroad Commission of Texas
 Oil And Gas Division
 Request for Clearance of Storage Tanks

Form P-8

Reference No. 41004

Prior to Potential Test

1. Operator's Name and Address (Exactly as shown on Form P-5 Organization Report) FELIX ENERGY HOLDINGS II, LLC FELIX ENERGY 1530 16TH ST SUITE 500 DENVER, CO 80202-0000		3. RRC District No. 08
2. RRC Operator Number: <u>265322</u>		4. County of Well Site WINKLER
6. Field Name (Wildcat or exactly as shown on RRC records) PHANTOM (WOLFCAMP)		7. Drilling Permit No. 825440
9. Lease Name UL URAD 1609-21		8. Rule 37 Case No.
10. Oil lease No.		11. Well No. 1H
12. Drilling completed on <u>07/04/2017</u>	13. Completion report--Form W-2 or G-1--will be filed on <u>02/01/2018</u>	
14. Oil or condensate gatherer's name and address WESTERN REFINING COMPANY, L.P. 6501 TROWBRIDGE DR EL PASO, TX 79905 (915) 775-3339		15. Authorization to transport oil or condensate (mark one) <input checked="" type="checkbox"/> Form P-4 attached <input checked="" type="checkbox"/> Form P-4 Filed on <u>12/19/2017</u>
16. This request is for <u>75000</u> barrels of <input checked="" type="checkbox"/> crude oil OR <input type="checkbox"/> condensate		17. Amount of oil/condensate in tanks <u>1500</u> barrels on <u>12/19/2017</u>
18. Storage capacity in bbls. Tank battery <u>2000</u> Test tanks <u>0</u> Total <u>2000</u>		
19. Previous request for clearance. Amount <u>75000</u> barrels granted on <u>11/21/2017</u>		
20. Reason for current request for clearance (explain briefly) P4 Change of Transporter from previous; Additional barrels requested		
Heather Dahlgren	ENG TECH	
Name of operator's representative	Title of person	
(720) 974-2069	12/19/2017	
Telephone	Date	
RRC District Office Action		
Status: Approved	Barrels recommended <u>75000</u>	RRC Staff <u>12/20/2017</u> Date

**CERTIFICATE OF COMPLIANCE
 AND TRANSPORTATION AUTHORITY**

P-4
 5/02—www-1

READ INSTRUCTIONS ON BACK

1. Field name exactly as shown on proration schedule Phantom (Wolfcamp)		2. Lease name as shown on proration schedule UL Urad 1609-21				
3. Current operator name exactly as shown on P-5 Organization Report FELIX ENERGY HOLDINGS II, LLC		4. Operator P-5 no. 265322	5. Oil Lse/Gas ID no.	6. County Winkler	7. RRC district 08	
8. Operator address including city, state, and zip code 1530 16TH ST. STE 500 DENVER, CO 80202		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 01/01/18	
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G)						
a. Change of: <input type="checkbox"/> operator <input checked="" 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 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	x	Targa Delaware LLC (836022)	0001	100	

14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).		RRC USE ONLY	
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	Reviewer's initials: _____	
Western Refining Company LP (912206)	100	Approval date: _____	

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

Name of Previous Operator	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.

HEATHER DAHLGREN	Signature
Name (print)	<input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G)
ENG TECH	Date
Title	Phone with area code
heatherd@felix-energy.com	12/19/17
E-mail Address (optional)	(720) 970-2069

CERTIFICATE OF POOLING AUTHORITY

P-12

Revised 05/2001

1. Field Name(s) Phantom (Wolfamp)	2. Lease/ID Number (if assigned)	3. RRC District Number 08
4. Operator Name Felix Energy Holdings II, LLC	5. Operator P-5 Number 265322	6. Well Number 1H
7. Pooled Unit Name UL Urad 1609-21	8. API Number 42-495-33843	9. Purpose of Filing <input type="checkbox"/> Drilling Permit (W-1)
10. County Winkler	11. Total acres in pooled unit 641.11	<input checked="" type="checkbox"/> Completion Report

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

TRACT/PLAT IDENTIFIER	TRACT NAME	ACRES IN TRACT <i>(See inst. #7 below)</i>	INDICATE UNDIVIDED INTERESTS	
			UNLEASED	NON-POOLED
1	UL Lease 111473	320.61	<input type="checkbox"/>	<input type="checkbox"/>
2	UL Lease 111477	320.5	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

CERTIFICATION:

I declare under penalties prescribed pursuant to the Sec. 91.143, Texas Natural Resources Code, that I am authorized to make the foregoing statements and that the information provided by me or under my direction on this Certificate of Pooling Authority is true, correct, and complete to the best of my knowledge.

<p style="font-size: 1.2em; color: blue;"><i>Crystal M Hink</i></p> <p>Signature _____</p> <p>Land Admin Manager <u>crystalh@felix-energy.com</u></p> <p>Title E-mail (if available)</p>	<p style="text-align: center;">Crystal M Hink</p> <p>Print Name _____</p> <p style="text-align: center; font-size: 1.2em; color: blue;">2/16/18</p> <p>Date _____</p> <p style="text-align: center;">(720) 974-2076</p> <p>Phone _____</p>
--	--

INSTRUCTIONS — Reference: Statewide Rules 31, 38 and 40

1. When two or more tracts are pooled to form a unit to obtain a drilling permit, file completion paperwork, or reform a pooled unit pursuant to Rule 38(d)(3) the operator must file an original Certificate of Pooling Authority and certified plat.
2. The certified plat shall designate each tract with an outline and a tract identifier. The tract identifier on the plat shall correspond to the tract identifier and associated information listed on the Certificate.
3. If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
4. If the Purpose of Filing is to obtain a drilling permit, in box #1 list all applicable fields separately or enter "All Fields" if the Certificate pertains to all fields requested on Form W-1.
5. If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
6. Identify the drill site tract with an * to the left of the tract identifier.
7. The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.



GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued:	13 April 2017	GAU Number:	170425
Attention:	FELIX ENERGY HOLDINGS II, FELIX ENERGY DENVER, CO 80202	API Number:	
Operator No.:	265322	County:	WINKLER
		Lease Name:	UL Rad 1609-21
		Lease Number:	
		Well Number:	1H
		Total Vertical Depth:	14000
		Latitude:	31.730747
		Longitude:	-103.237559
		Datum:	NAD27

Purpose: New Drill
Location: Survey-UL; Block-21; Section-16

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 Allurosa, which is estimated to occur at a depth between 900 and 950 feet, must be protected.

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

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

This determination is based on information provided when the application was submitted on 04/12/2017. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

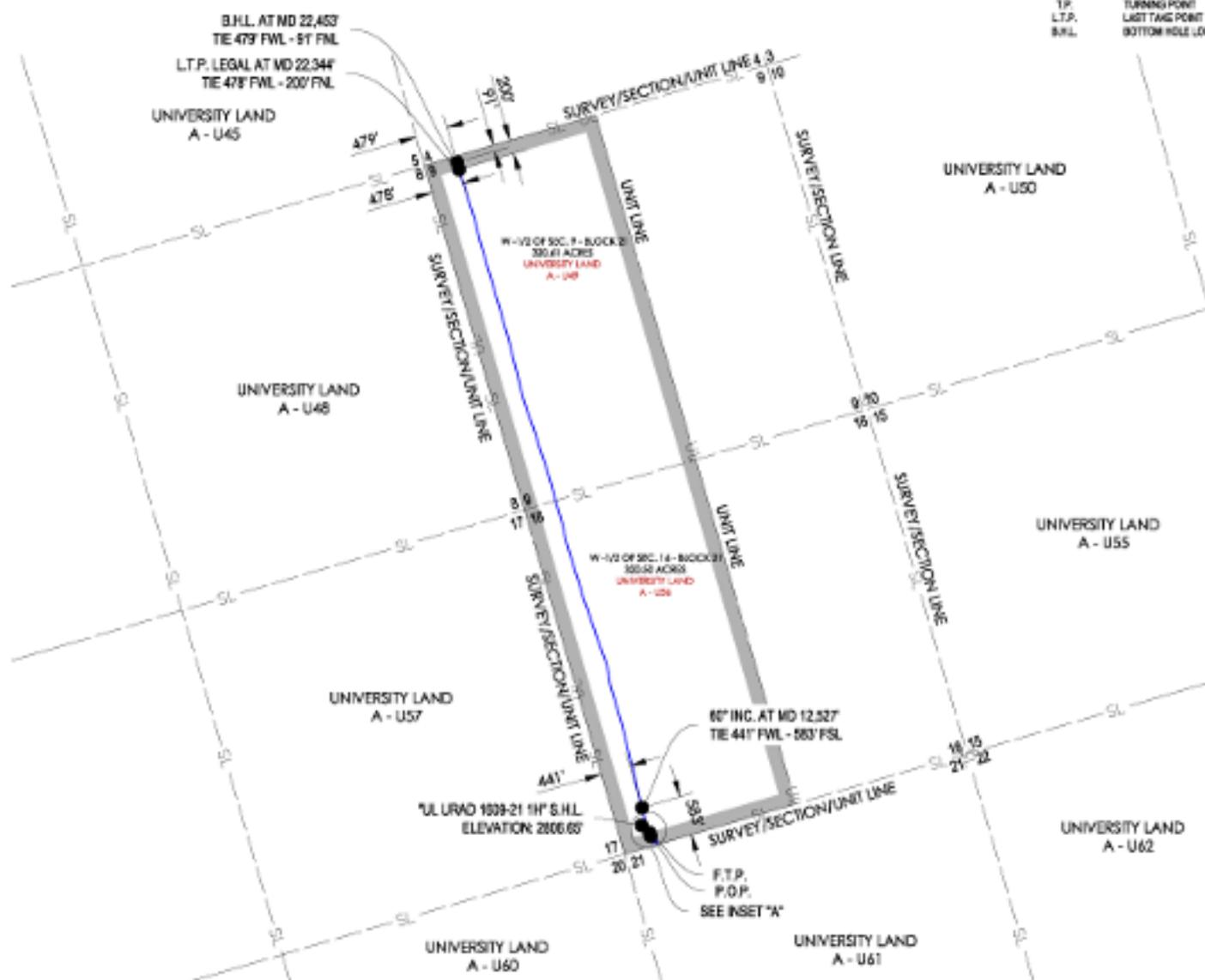
Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
 Rev. 02/2014

FELIX ENERGY HOLDINGS II
WINKLER COUNTY, TEXAS
S.H.L. 358' FWL - 337' FSL, SECTION 16, BLOCK 21

LEGEND

- UNIT LINE
- SECTION LINE
- AS-DRILLED WELL PATH
- EXISTING WELL PATH
- 200' UNIT OFFSET
- SURFACE HOLE LOCATION
- POINT OF PENETRATION
- FIRST TAKE POINT
- TURNING POINT
- LAST TAKE POINT
- BOTTOM HOLE LOCATION

GRID NORTH (NAD 83)
TEXAS - CENTRAL ZONE



OPERATOR: FELIX ENERGY, LLC

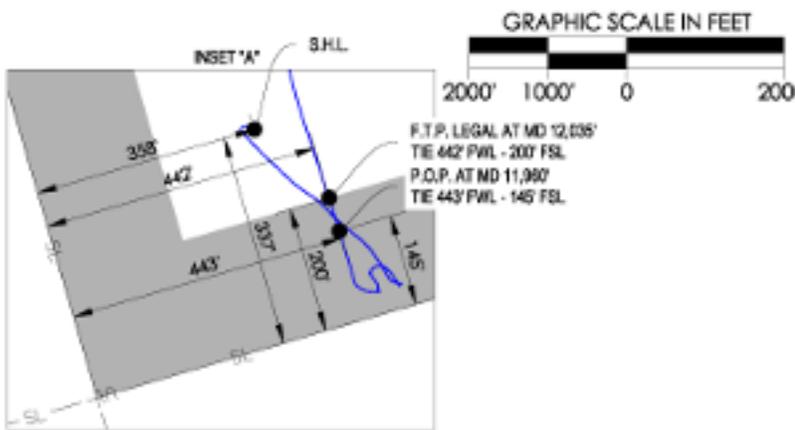
WELL NAME: UL URAD 1609-21 **WELL NO:** 1H

TOPOGRAPHIC & VEGETATION: FLAT LOCATION WITH LOW LYING BRUSH

GOOD DRILL SITE: YES

BEST ACCESSIBILITY TO LOCATION: FROM SOUTH

REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET: NONE



DISTANCE & DIRECTION FROM HWY JCT OR TOWN: ±4.61 MILES WEST OF WINK, TX FROM THE INTERSECTION OF FARM TO MARKET 1232 AND HENDRICKS BLVD. IN WINK TEXAS HEAD WEST ON FARM TO MARKET 1232 FOR ±1.5 MILES, TURN LEFT ONTO COUNTY ROAD 201 FOR ABOUT ±3.3 MILES, TURN LEFT ON EXISTING LEASE ROAD FOLLOW THAT FOR ABOUT ±0.4 MILES, TURN RIGHT ON EXISTING LEASE ROAD ±1.15 MILES, TURN LEFT ON EXISTING LEASE ROAD AND FOLLOW FOR ±0.32 MILES THAT THE PAD WILL BE ON THE RIGHT.

SURFACE HOLE LOCATION:
 358' FWL & 337' FSL (SEC. 16)
 GROUND ELEVATION: 2,806.65'
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 762484.58, EASTING: 1097139.29
 LATITUDE: N 31.73074620°, LONGITUDE: W 103.23755785°
NAD 83 TEXAS CENTRAL ZONE
 NORTHING: 1060060.99, EASTING: 1393604.15
 LATITUDE: N 31.73087518°, LONGITUDE: W 103.23800444°

POINT OF PENETRATION:
 443' FWL & 145' FSL (SEC. 16)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 762323.94, EASTING: 1097274.56
 LATITUDE: N 31.73031444°, LONGITUDE: W 103.23710946°

FIRST TAKE POINT:
 442' FWL & 200' FSL (SEC. 14)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 762376.45, EASTING: 1097258.08
 LATITUDE: N 31.73045758°, LONGITUDE: W 103.23716685°

LAST TAKE POINT:
 478' FWL & 200' FSL (SEC. 9)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 772151.95, EASTING: 1094440.47
 LATITUDE: N 31.75711922°, LONGITUDE: W 103.24704952°

BOTTOM HOLE LOCATION:
 479' FWL & 91' FSL (SEC. 9)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 772257.23, EASTING: 1094410.88
 LATITUDE: N 31.75740639°, LONGITUDE: W 103.24715356°

UNIT CORNERS

LOCATION	NAD27	
	STATE PLANE TEXAS CENTRAL ZONE	Geographic (NAD83)
NE CORNER OF WEST -1/2 OF BLK.21-SEC.9	N = 772950.90 E = 1096406.80	LAT: 31.75949816° LONG: -103.24011982°
SE CORNER OF WEST -1/2 OF BLK.21-SEC.9	N = 767876.08 E = 1097943.90	LAT: 31.74882634° LONG: -103.23942449°
SE CORNER OF WEST -1/2 OF BLK.21-SEC.16	N = 762911.84 E = 1096424.70	LAT: 31.73178134° LONG: -103.23012607°
SW CORNER BLK.21-SEC.16	N = 762940.48 E = 1096896.09	LAT: 31.72199385° LONG: -103.23812345°
SW CORNER BLK.21-SEC.9	N = 767134.81 E = 1096436.99	LAT: 31.74140370° LONG: -103.24311371°
NW CORNER BLK.21-SEC.9	N = 772359.72 E = 1093925.39	LAT: 31.75724084° LONG: -103.24071097°



CONTACT INFORMATION:
 Shannon D. Ozment
 Crafton Tull (818)7151
 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 DIGGING WAS MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, THE OFFICES OF THE VARIOUS UTILITIES SERVING THIS AREA SHOULD BE CONTACTED FOR THEIR UTILITY LOCATION.
- BASE OF BEARINGS: TEXAS STATE PLANE GRID, CENTRAL ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION.
- COMBINED SCALE FACTOR AT S.H.L. - 0.9988807
- VERTICAL DATUM IS NAVD 83
- AREAS, DISTANCES, AND COORDINATES ARE "GROSS" BASED ON U.S. SURVEY FEET.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY.

1000 Ledgewood Dr
Conway, Arkansas 72034

501.328.3314 | 501.328.3351
www.craftontull.com

REVISION

76	PRELIMINARY AS-DRILLED PLAT
129	FINAL AS-DRILLED PLAT

"UL URAD 1609-21 1H"
 WEST -1/2 OF SECTION 16, BLOCK 21 - 320.50 ACRES
 WEST -1/2 OF SECTION 9, BLOCK 21 - 320.61 ACRES
 WINKLER COUNTY, TEXAS
FINAL AS-DRILLED PLAT

SCALE: 1" = 2000'
 PLOT DATE: 01-29-2018

CHECKED BY: J.PARKER
 DRAWN BY: JWB

APPROVED BY: A.AILEY
 SHEET NO.: 1 OF 1

