



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 07/20/2018
Tracking No.: 191608

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.: 42-495-33876 County: WINKLER
Well No.: 1H RRC District No.: 08
Lease Name: UL AMERICAN BASIN 14-21 Field Name: PHANTOM (WOLFCAMP)
RRC Lease No.: 50134 Field No.: 71052900
Location: Section: 23, Block: 21, Survey: UL, Abstract: U63

Latitude: Longitude:
This well is located 2.68 miles in a SW
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: 10/19/2017

Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 06/28/2017 828090
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 08/07/2017 Date of first production after rig released: 10/19/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 08/07/2017 Date plug back, deepening, recompletion, or drilling operation ended: 09/16/2017
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: 319.58 Elevation (ft.): 2791 GR
Total depth TVD (ft.): 11813 Total depth MD (ft.): 16828
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): 35.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No Multiple completion? No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:
Location of well, relative to nearest lease boundaries Off Lease : No
of lease on which this well is located: 255.0 Feet from the NW Line and
380.0 Feet from the SW Line of the
UL AMERICAN BASIN 14-21 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: 08/25/2017
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of test: 12/03/2017		Production method: Flowing	
Number of hours tested: 24		Choke size: 26	
Was swab used during this test? No		Oil produced prior to test: 4049.00	
PRODUCTION DURING TEST PERIOD:			
Oil (BBLs): 153.00		Gas (MCF): 891	
Gas - Oil Ratio: 5823		Flowing Tubing Pressure: 880.00	
Water (BBLs): 1344			
CALCULATED 24-HOUR RATE			
Oil (BBLs): 153.0		Gas (MCF): 891	
Oil Gravity - API - 60.: 45.0		Casing Pressure: 0.00	
Water (BBLs): 1344			

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	13 3/8	17 1/2	1172			C	1365	2360.0	SURF ACE	Circulated to Surface
2	Intermediate	10 3/4	12 1/4	4623			C	790	1930.0	100	Calculation
3	Intermediate	7 5/8	9 7/8	11058			H	1100	2861.0	SURF ACE	Circulated to Surface
4	Conventional Production	5 1/2	6 3/4	16818			H	1090	1336.0	1834	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
N/A									

TUBING RECORD			
Row	Size (in.)	Depth	Size (ft.)
1	2 7/8	11206	
			Packer Depth (ft.)/Type
			11197 / AS1-X

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 12175	16718.0

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:		13480	
Actual maximum pressure (PSIG) during hydraulic fracturing:		12022	
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	369,159 BBLS SLK WTR; 12,892,082 LBS PROPPANT	12175 16718

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
RUSTLER - POSSIBLE FLOW; POSSIBLE USABLE QUALITY W	Yes	1857.0	1860.0	Yes	
COLBY-QUEEN	No			No	NOT PRESENT
YATES	No			No	NOT PRESENT
QUEEN-SEVEN RIVERS	No			No	NOT PRESENT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	NOT PRESENT
HOLT	No			No	NOT PRESENT
DELAWARE	Yes	4332.0	4339.0	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	5825.0	5832.0	Yes	
CANYON	No			No	NOT PRESENT
BONE SPRINGS	Yes	8438.0	8446.0	Yes	
MONTOYA	No			No	NOT PRESENT
WADDELL	No			No	NOT PRESENT
WOLFCAMP	Yes	11266.0	11278.0	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 2018-07-17 10:59:50.569] EDL=4500 feet, max acres=704, PHANTOM (WOLFCAMP) oil or gas well; take points: 12175-16718 feet	
CASING RECORD : KOP@ 11,070	
TUBING RECORD:	
PRODUCING/INJECTION/DISPOSAL INTERVAL :	
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: 05/01/2018



RAILROAD COMMISSION OF TEXAS

1701 N. Congress

P.O. Box 12967

Austin, Texas 78701-2967

Form W-15

Rev. 08/2014

Cementer: Fill in shaded areas.

Operator: Fill in other items.

CEMENTING REPORT

OPERATOR INFORMATION

Operator Name: FELIX ENERGY Holdings II LLC	Operator P-5 No.: 265322
Cementer Name: Halliburton Energy Services	Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 08	County: WINKLER	
Well No.: 1H	API No.: 42-495-33876	Drilling Permit No.: 828090
Lease Name: UL AMERICAN BASIN 14-21	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.): 1182	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 J55	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.): 1172	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 12	Calculated top of cement (ft.): Surface	Cementing date: 8/8/17

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	865	C	KOL-SEAL, POLY-E-FLAKE	1695	2445
2	500	C		665	901
3					
Total	1365			2360	3346

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:	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? <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:	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? <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.

Brandon Machado service supervisor Halliburton [Signature]
 Name and title of cementer's representative Cementing Company
 1301 W. Webb St. Brownfield, Tx, 79316 575-392-0700 8/8/17
 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.

Freddie Harveston JR Co-man Freddie Harveston Jr
 Typed or printed name of operator's representative Title Signature
 1530 16th Street Denver CO 80502 432-652-0996 8-8-17
 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.

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
 The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
 To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtacSext.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.
- 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.



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Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION	
Operator Name: FELIX ENERGYHOLDINGS II LLC-EBUS	Operator P-5 No.: 265322
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION		
District No.: 08	County: WINKLER	
Well No.: 1H	API No.: 42-495-33876	Drilling Permit No.: 828090
Lease Name: UL AMERICAN BASIN 14-21	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.): 4675	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: 36	
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.): 4623	Top of liner (ft.):	
		Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out: 8.5	Calculated top of cement (ft.): 100	Cementing date: 08/12/2017	

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	595	C		1670	8874
2	195	C	0.20% HR-800	260	1244
3					
Total	790			1930	10118

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:	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? <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:	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? <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

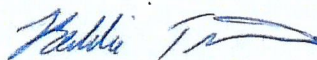
CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount 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
SO#0904228103

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.

FREDDIE TREVINO SSIT

Halliburton



Name and title of cementer's representative

Cementing Company

Signature

1301 W. Webb St.

Brownfield, Tx, 79316

575-392-0700

08/12/2017

Address

City, State, Zip Code

Tel: Area Code

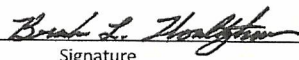
Number

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.

Brandon L. Houltzhouser

Drilling Consultant



Typed or printed name of operator's representative

Title

Signature

1530 16th St, Ste 500 Denver CO 80202

720-974-2061

08/12/2017

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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- 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

CEMENTING REPORT

Cementor: Fill in shaded areas.

Operator: Fill in other items.

Operator Name: FELIX ENERGY HOLDINGS II LLC		Operator P-5 No.: 265322
Cementor Name: HALLIBURTON ENERGY SERVICES		Cementor P-5 No.: 347151

District No.: 08		County: WINKLER
Well No.: 1H	API No.: 42-495-33876	Drilling Permit No.: 828090
Lease Name: UL AMERICAN BASIN 14-21		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.):	11060	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:	80
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.):	
			11058	Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:	24	Calculated top of cement (ft.):	Surface	Cementing date: 08-20-17	

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	900 SKS	H	N/A	2561 CU.FT	13484
2	200 SKS	H	N/A	300 CU.FT	3117
3					
Total	1100			2861	16601

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:	Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used		
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth shoe (ft.):		
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:		
SLURRY						
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
1						
2						
3						
Total	0			0	0	

III. CASING 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:	Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used		
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth tool (ft.):		
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:		
SLURRY						
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)	
1						
2						
3						
Total	0			0	0	

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON

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

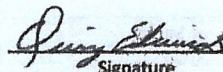
REMARKS

0904237802 120 bbls/237 sks of cmt 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.

QUINCY EDWARDS SERVICE SUPERVISOR

Halliburton



Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

08-20-2017

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.



ENG. TECH



Typed or printed name of operator's representative

Title

Signature

1530 16th St S, Suite 500 Denver CO 80202

720-974-2069

4/30/2018

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.

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.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.
- 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

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 II LLC-EBUS
Cementer Name: HALLIBURTONOperator P-5 No.: 265322
Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 08
Well No.: 1H
Case Name: UL AMERICAN BASIN 14-21County: WINKLER
API No.: 42-195-33876
Lease No.:
Field No.: 71052900
Drilling Permit No.: 828090

Well Name: Phantom (Wolfcamp)

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☒ ProductionHole size (in.): 6 3/4
Depth of drilled hole (ft.): 16828
Est. % wash-out or hole enlargement: 20%
Casing weight (lbs/ft) and grade: 23 P110
No. of centralizers used: 0
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.): 16318
Top of liner (ft.):
Setting depth liner (ft.):
Waiting on cement before drill-out:
Calculated top of cement (ft.): 1834
Cementing date: 9/14/2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1090	H	ACSHALAD-946, 255HHR-501, 25LRMD-AIR5000	1336	14984
2					
3					
Total	1090			1336	14984

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ Multiple parallel strings
Hole size (in.):
Depth of drilled hole (ft.):
Est. % wash-out or hole enlargement:
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:
Cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO
Setting depth shoe (ft.):
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: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings
Hole size (in.):
Depth of drilled hole (ft.):
Est. % wash-out or hole enlargement:
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:
Cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO
Setting depth tool (ft.):
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.

JESUS DUARTE

Halliburton

Name and title of cementer's representative
6155 W. Murphy St.

Cementing Company
Odessa, TX, 79763

Signature
432-571-8600

9/12/2017

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.

HEATHER DAHLGREN
Typed or printed name of operator's representative

ENGINEER
Title

Signature

1530 16th St Ste 500
Address

Denver CO 80202
City, State, Zip Code

720-974-2069
Tel: Area Code Number

5/1/2018
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.

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To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtacSext.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.
- 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.

Tracking No.: 191608

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: 10/19/2017
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 828090	
Lease Name UL AMERICAN BASIN 14-21	Lease/ID No. 50134	Well No. 1H
County WINKLER	API No. 42- 495-33876	

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

05/24/2018

Date

-FOR RAILROAD COMMISSION USE ONLY-



County : Winkler County	Field : Wolf Camp B	Location : StatePlane X = 1,107,465.39 usft StatePlane Y = 764,888.17 usft	Well : UL American Basin 14-21 1H STO2	Company : Felix	Rig : Cactus 139	Company : Felix Rig : Cactus 139 Well : UL American Basin 14-21 1H STO2 Field : Wolf Camp B County : Winkler County API Number : 42-495-33876	
LOCATION Latitude : 31° 44' 17.12" North Longitude : 103° 12' 16.40" West StatePlane X = 1,107,465.39 usft StatePlane Y = 764,888.17 usft						Other Services Directional Drilling	
Permanent Datum : Ground Level Elevation : 2790.00 Log Measured From : Drill Floor 2815.00 Above Permanent Datum Drilling Measured From : Drill Floor						Elev. KB N/A DF 2815 GL 2790 WD N/A	
Depth Logged : 4,675.00 ft To 16,729.00 ft Date Logged : 06-Aug-17 To 04-Sep-17 Total Depth MD : 16,828.00 ft TVD: 11,813.00 ft Spud Date : 05-Aug-17						Unit No. : 11498524 Job No. : MO-XX-0904212842 Plot Type : Final Plot Date : 06-Sep-17	
Run No.	Borehole Record (MD)			Size	Casing Record (MD)		
	Size	From	To		Weight	From	To
0100	12.250	80.00	1182.00	13.375	54.00 lbpf	SURFACE	4,675.00 ft
0200	12.250	1182.00	4675.00				
0300	9.875	4675.00	8200.00				
0400	9.875	8200.00	9163.00				
0500	9.875	9163.00	10008.00				
0600	9.875	10008.00	10008.00				
0700	9.875	10008.00	11060.00				
0800	6.125	11060.00	12153.00				
0900	6.125	12153.00	12704.00				
1000	6.125	12704.00	14797.00				
1100	6.125	12932.00	13627.00				
1200	6.125	13627.00	16828.00				

1. Field name exactly as shown on proration schedule PHANTOM (WOLFCAMP)		2. Lease name as shown on proration schedule UL AMERICAN BASIN 14-21					
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 50134	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) (<i>see instruction E</i>) 1H					
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (<i>see instruction A</i>)			11. Effective Date 10/19/2017		
12. Purpose of Filing. (Complete section a or b below.) (<i>See instructions B and G</i>) a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____ -- OR -- b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well Due to: <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)							
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (<i>See instruction G</i>).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (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	ENERGY TRANSFER COMPANY(252017)			0001	100.0	
14. Authorized OIL or CONDENSATE Gatherer(s). (<i>See instruction G</i>).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (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>07/20/2018</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 (<i>see instruction G</i>) _____ 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. _____ FELIX ENERGY HOLDINGS II, LLC Heather Dahlgren Name (print) Signature _____ Felix Admin Services <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (<i>see instruction G</i>) Title _____ _____ _____ heatherd@felix-energy.com 05/01/2018 (720) 974-2069 E-mail Address (optional) Date Phone with area code							

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

Form P-8

Reference No. 39563

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. 828090
9. Lease Name UL AMERICAN BASIN 14-21		11. Well No. 1H
12. Drilling completed on <u>09/16/2017</u>		13. Completion report--Form W-2 or G-1--will be filed on <u>12/01/2017</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>09/27/2017</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>0</u> barrels on <u>09/27/2017</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 _____ barrels granted on _____		
20. Reason for current request for clearance (explain briefly) Flowback and test well		
Heather Dahlgren		ENG TECH
Name of operator's representative		Title of person
(720) 974-2069	09/27/2017	
Telephone	Date	
RRC District Office Action		
Status: Approved	Barrels recommended <u>45000</u>	RRC Staff <u>09/27/2017</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 American Basin 14-21					
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 09/27/17		
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from: _____ <input type="checkbox"/> lease name from: _____ OR b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well Due to: <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)							
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (Attach an additional sheet in same format if more space is needed)			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
x	x	Energy Transfer Company (252017)			0001	100	
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	RRC USE ONLY Reviewer's initials: _____ Approval date: _____	
Western Refining Company LP (912206)					100		
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		Phone with area code	
heatherd@felix-energy.com				09/27/17		(720) 970-2069	
E-mail Address (optional)				Date		Phone with area code	

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 25 August 2017**GAU Number:** 174624**Attention:** FELIX ENERGY HOLDINGS II,
FELIX ENERGY
DENVER, CO 80202**Operator No.:** 265322**API Number:**
County: WINKLER
Lease Name: UL American Basin 14-27
Lease Number:
Well Number: 1H
Total Vertical Depth: 12000
Latitude: 31.738088
Longitude: -103.204558
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Abstract-U63; Block-21; Section-23

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 Santa Rosa, which is estimated to occur at a depth of 950 feet, must be protected.

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

This recommendation is applicable to all wells within a radius of 400 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 08/24/2017. 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.

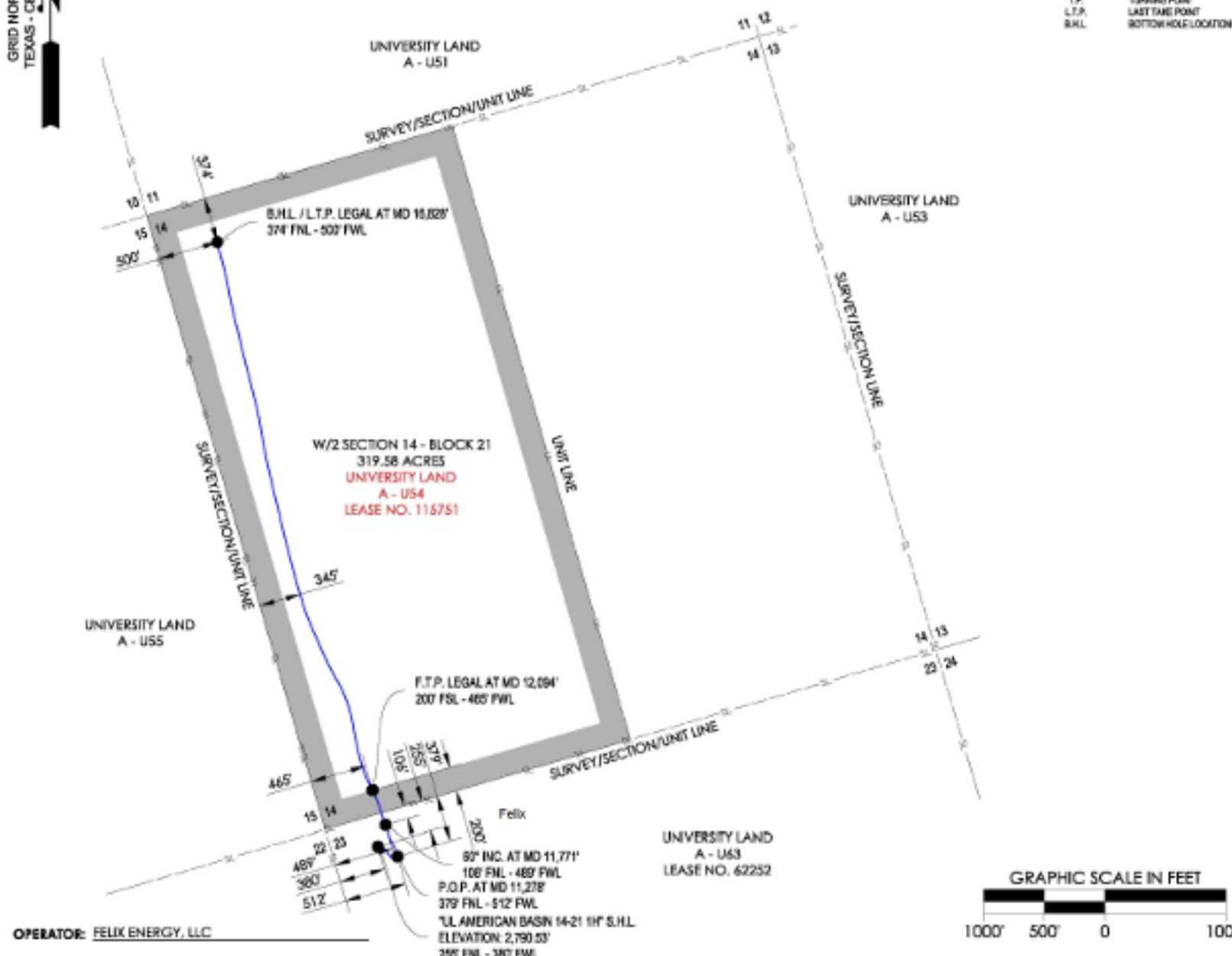
Groundwater Advisory Unit, Oil and Gas Division



FELIX ENERGY HOLDINGS II
WINKLER COUNTY, TEXAS
S.H.L. 255' FNL - 380' FWL, SECTION 23, BLOCK 21

LEGEND

U.L.	UNIT LINE
U.L.	UNIT LINE
S.L.	SECTION LINE
AS-DRILLED WELL PATH	AS-DRILLED WELL PATH
S.H.L.	250' UNIT OFFSET SURFACE HOLE LOCATION
P.O.P.	POINT OF PENETRATION
T.P.	TURNING POINT
L.T.P.	LAST TAKE POINT
B.H.L.	BOTTOM HOLE LOCATION



OPERATOR: FELIX ENERGY, LLC

WELL NAME: UL AMERICAN BASIN 14-21

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: ±2.68 MILES SOUTHWEST OF WINK, TX
FROM THE INTERSECTION OF STATE HIGHWAY 115 AND FM 1232 IN WINK, TEXAS, HEAD
NORTHWEST ON FM 1232 FOR 1.49 MILES, THEN TURN LEFT ONTO COUNTY ROAD 201 AND
TRAVEL ±1.27 MILES, TURN LEFT ON AN EXISTING LEASE ROAD AND TRAVEL SOUTH ±1.22 MILES,
THEN TURN RIGHT ON A EXISTING LEASE ROAD AND TRAVEL WEST ±0.49 MILES, THEN TURN
RIGHT ON A EXISTING LEASE ROAD AND TRAVEL NORTH ±0.10 MILES, THEN TURN RIGHT ONTO
A PROPOSED LEASE ROAD AND TRAVEL EAST ±0.26 MILES TO PAD LOCATION.

UNIT CORNERS

LOCATION	STATE PLANE TERRITORY (2008)	NAD27	COORDINATE (ELEV)
NE CORNER OF UNIT	N: 773843.70 E: 1106080.70	LAT: 31.75440030° LONG: -103.20307142°	
SE CORNER OF UNIT	N: 765768.08 E: 1106052.74	LAT: 31.74064448° LONG: -103.18791732°	
SW CORNER BLK 21-SEC 14	N: 766025.75 E: 1107028.41	LAT: 31.73843957° LONG: -103.2096987°	
NW CORNER BLK 21-SEC 14	N: 771003.43 E: 1106948.27	LAT: 31.75227822° LONG: -103.21115402°	

SURFACE HOLE LOCATION:

255' FNL & 380' FWL (SEC. 23)
GROUND ELEVATION: 2,790.53'
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 764888.17, EASTING: 1107465.39
LATITUDE: N 31.73808840°, LONGITUDE: W 103.20455634°
NAD 83 TEXAS CENTRAL ZONE
NORTHING: 10607464.56, EASTING: 1403930.48
LATITUDE: N 31.73821721°, LONGITUDE: W 103.20500149°

FIRST TAKE POINT:

200' FSL & 465' FWL (SEC. 14)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 765349.03, EASTING: 1107419.66
LATITUDE: N 31.73935168°, LONGITUDE: W 103.20474164°

POINT OF PENETRATION:

379' FNL & 512' FWL (SEC. 23)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 764806.04, EASTING: 1107627.05
LATITUDE: N 31.73787419°, LONGITUDE: W 103.20402971°

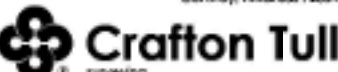
LAST TAKE POINT / BOTTOM HOLE LOCATION:

374' FNL & 500' FWL (SEC. 14)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 769881.50, EASTING: 1106133.35
LATITUDE: N 31.75171617°, LONGITUDE: W 103.20925471°

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 SERVING THIS AREA SHOULD BE CONTACTED FOR THEIR UTILITY LOCATION.
- BASES OF BEARINGS: TEXAS STATE PLANE GRID, CENTRAL ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION.
- CONVERSION SCALE FACTOR AT S.H.L.: 0.99999999
- 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 Ledgeview Dr
Conway, Arkansas 72034



501.328.3314 / 501.328.3325
www.craftontull.com

REVISION
1-29 FINAL AS-DRILLED PLAT

"UL AMERICAN BASIN 14-21 1H"

W/2 - SECTION 14, BLOCK 21
319.58 ACRES
WINKLER COUNTY, TEXAS
FINAL AS-DRILLED PLAT

SCALE: 1" = 1000'

PLOT DATE: 05-14-2018

CHECKED BY:

DRAWN BY:

J.PARKER

L.DOW

APPROVED BY:

SHEET NO.: 1 OF 1

CONTACT INFORMATION

Shannon D. Ozment
Crafton Tull (501)937135
1000 Ledgeview Dr.
Conway, AR 72034



5/14/2018

