



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 07/27/2018
Tracking No.: 190886

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.: 42-475-37230 County: WARD
Well No.: 1H RRC District No.: 08
Lease Name: UL FREMONT 38-17 Field Name: PHANTOM (WOLFCAMP)
RRC Lease No.: 50152 Field No.: 71052900
Location: Section: 38, Block: 17, Survey: UL, Abstract: U77

Latitude: Longitude:
This well is located 3.89 miles in a NW
direction from PYOTE,
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: 08/01/2017

Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 04/21/2017 825332
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 05/24/2017 Date of first production after rig released: 08/01/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 05/24/2017 Date plug back, deepening, recompletion, or drilling operation ended: 06/27/2017
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: 320.60 Elevation (ft.): 2651 GR
Total depth TVD (ft.): 11434 Total depth MD (ft.): 16399
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): 60.5
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: 270.0 Feet from the East Line and
1687.0 Feet from the South Line of the
UL FREMONT 38-17 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.):	900.0	Date: 05/03/2017
SWR 13 Exception	Depth (ft.):		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of test: 09/25/2017		Production method: Flowing	
Number of hours tested: 24		Choke size: 28	
Was swab used during this test? No		Oil produced prior to test: 18177.00	
PRODUCTION DURING TEST PERIOD:			
Oil (BBLS): 544.70		Gas (MCF): 1400	
Gas - Oil Ratio: 2570		Flowing Tubing Pressure: 2027.00	
Water (BBLS): 2576			
CALCULATED 24-HOUR RATE			
Oil (BBLS): 544.7		Gas (MCF): 1400	
Oil Gravity - API - 60.: 43.5		Casing Pressure: 0.00	
Water (BBLS): 2576			

CASING RECORD											
		Casing	Hole	Setting	Multi -	Multi -		Cement	Slurry	Top of	TOC
Row	Type of	Size	Size	Depth	Stage Tool	Stage Shoe	Cement	Amount	Volume	Cement	Determined
	Casing	(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	By
1	Surface	13 3/8	17 1/2	1028			TRANSTE X DIVERSE	970	1689.0	SURF ACE	Circulated to Surface
2	Intermediate	10 3/4	12 1/4	5000			35:65 POZ C AND 50:50 POZ	1163	274.4	20	Calculation
3	Intermediate	7 5/8	9 7/8	11198	5196		5050 POZ C AND H	896	1928.4	5200	Calculation
4	Intermediate	7 5/8	9 7/8	11198			5050 POZ C AND C	558	1158.7	SURF ACE	Calculation
5	Conventional Production	5 1/2	6 3/4	16373			5050POZH	1027	129.3	10000	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	11107	
		Packer Depth (ft.)/Type	
		11091 / AS1-X	

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 11753	16190.0

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		
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		13407		
		Actual maximum pressure (PSIG) during hydraulic fracturing: 11979		
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	408,057 SLICKWATER BBLS AND 13,559,117 LBS PROPPANT		11753 16190

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
RUSTLER	Yes	1811.0	1817.0	Yes	
YATES	No			No	NOT PRESENT
SEVEN RIVERS	No			No	NOT PRESENT
QUEEN	No			No	NOT PRESENT
GLORIETA	No			No	NOT PRESENT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	NOT PRESENT
HOLT	No			No	NOT PRESENT
CLEARFORK	No			No	NOT PRESENT
DELAWARE	Yes	4978.0	5009.0	Yes	
TUBB	No			No	NOT PRESENT
WICHITA ALBANY	No			No	NOT PRESENT
CHERRY CANYON	Yes	5838.0	5870.0	Yes	
WADDELL	No			No	NOT PRESENT
BONE SPRINGS	Yes	8218.0	8251.0	Yes	
WOLFCAMP	Yes	11148.0	11182.0	Yes	
MONTOYA	No			No	NOT PENETRATED
PENNSYLVANIAN	No			No	NOT PENETRATED
ATOKA	No			No	NOT PENETRATED
FUSSELMAN	No			No	NOT PENETRATED
DEVONIAN	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 2018-07-12 15:03:19.362] EDL=4400 feet, max acres=640, PHANTOM (WOLFCAMP) oil or gas well; take points: 11753-16190 feet	
CASING RECORD : KICK OFF POINT AT 11,000' PILOT HOLE WAS PLUGGED 6/14/2017 AS FOLLOWS: PLUG 1 162 SXS, 33 CU FT SLURRY, TOP OF CMT 12,620'; PLUG 2 162 SXS, 33 CU FT SLURRY, TOP OF CMT 11,855; PLUG 3 162 SXS, 33 CU FT SLURRY, TOP OF CMT 11,098.	
TUBING RECORD:	
PRODUCING/INJECTION/DISPOSAL INTERVAL : FIRST LEGAL TAKE POINT AND LAST LEGAL TAKE POINT ON AS DRILLED PLAT ATTACHED	
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: 05/23/2018



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: FILIX ENERGY HOLDING 11 LLC		Operator P-5 No.: 265322			
Cementer Name: TRANS TEX CEMENTING SERVICES, LLC		Cementer P-5 No.: 864412			
WELL INFORMATION					
District No.: 08		County: WARD			
Well No.: #1H		API No.: 42-475-37230		Drilling Permit No.: 825332	
Lease Name: UL FREMONT 38-17		Lease No.: #1H			
Field Name: Phantom (Wellcamp)		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 checked="" type="checkbox"/> Production					
Drilled hole size (in.): 8 1/2		Depth of drilled hole (ft.): 1030-1045		Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 13.375 13 3/8		Casing weight (lbs/ft) and grade: 54.5 #J55		No. of centralizers used: 7	
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.): 1028		Top of liner (ft.):	
Hrs. waiting on cement before drill-out: 15		Calculated top of cement (ft.): Surface		Cementing date: 5/24/2017	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	540	TRANSTEXDIVERSE	SEE REMARKS	993	1430
2	430	TRANSTEXLITE	SEE REMARKS	696	1002
3					
Total	970			1689	2432
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 sh <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? YES <input type="checkbox"/> NO <input type="checkbox"/>		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/DVT <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? YES <input type="checkbox"/> NO <input type="checkbox"/>		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							
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							
6%GEL,2%CACL,1.5#PHENO,1/8#CF,1.5%CAS-2,,2%CFL-1							
1%CACL,1/8%CF,,2%CFL-1							
0							
GOT 57 BBLS OF CMT TO SURFACE = TO 173 SKS							

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.

JUAN GARCIA CEMENTER

Name and title of cementer's representative

TRANS TEX CEMENTING

Cementing Company

[Signature]
Signature

5019 BASIN ST

Address

MIDLAND, TX 79703

City, State, Zip Code

432-694-4900

Tel: Area Code

Number

5/25/2017

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

ENGTECH

Title

[Signature]
Signature

1530 16th St. Ste. 500 Denver CO 80202

Address

City, State, Zip Code

720-974-2069

Tel: Area Code

Number

4/5/2018
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.

- 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=&tl=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_floc=&p_tloc=&p_ploc=&pg=1&p_tac=&tl=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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CEMENTING REPORT

Form W-15

Rev. 08/2014

Cementer: Fill in shaded areas.

Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name:	Felix <u>Energy Holdings LLC</u>	Operator P-5 No.:	<u>245322</u>
Cementer Name:	Schlumberger	Cementer P-5 No.:	<u>754900</u>

WELL INFORMATION

District No.:	<u>09</u>	County:	<u>Ward</u>
Well No.:	<u>1H</u>	API No.:	<u>42-475-37230</u> Drilling Permit No.: <u>825332</u>
Lease Name:	<u>UL Fremont 38-17</u>	Lease No.:	
Field Name:	<u>phantom (Wolfcamp)</u>	Field No.:	<u>71052900</u>

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.):	<u>12 1/4</u>	Depth of drilled hole (ft.):	<u>5018</u>	Est. % wash-out or hole enlargement:	<u>20%</u> Remarks
Size of casing in O.D. (in.):	<u>10 3/4</u>	Casing weight (lbs/ft) and grade:	<u>45.5# J55</u>	No. of centralizers used:	<u>39</u>
Was cement circulated to ground surface (or bottom of cellar) outside casing?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Setting depth shoe (ft.):		Top of liner (ft.):
			<u>5000</u>		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:	<u>12</u>	Calculated top of cement (ft.):	<u>20'</u>	Cementing date: <u>30-May-17</u>	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	910	35:65 Poz:C	Remarks	239.1	4400
2	253	50:50 Poz:C	Remarks	35.3	600
3					
Total	1163			274.4	5000

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 checked="" 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					

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 checked="" 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					


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: 61ppsD903+26ppsD035+4%D020+.13ppsD130+.02gpsD047+.1%D065+.1%D013+8%D044
#2: 47ppsD903+37ppsD035+.1%D020+.02gpsD047+.13ppsD130+.3%D013+5%D044+.1%D065
#3:
#4:

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.

Adam Vink, Field Engineer	Schlumberger	
Name and title of cementer's representative	Cementing Company	Signature
7104 W County Rd 116	Midland TX 79706	(432) 681-1100
Address	City, State, Zip Code	Tel: Area Code Number
		May 30, 2017
		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 DANLON ENGTECH	
Typed or printed name of operator's representative	Signature
1530 16th St 500 Denver CO 80202	720-974-2069
Address	City, State, Zip Code
	Tel: Area Code Number
	04/5/2018
	Date: mo. day yr.

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- 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.
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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 Holdings LLC	Operator P-5 No.:	265322
Cementer Name:	Schlumberger	Cementer P-5 No.:	754900

WELL INFORMATION

District No.:	09	County:	WARD
Well No.:	471H 1H	API No.:	42-475-37230
Lease Name:	UL FREMONT 38-17	Drilling Permit No.:	825332
Field Name:	WOLFCAMP / Phantom	Lease No.:	
		Field No.:	71052900

I. CASING CEMENTING DATA

Type of casing:	<input type="checkbox"/> Conductor	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Liner	<input type="checkbox"/> 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?			Setting depth shoe (ft.):	Top of liner (ft.):	
<input type="checkbox"/> Yes <input type="checkbox"/> No If no for surface casing, explain in Remarks.			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:	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Production	<input type="checkbox"/> Tapered production	<input checked="" type="checkbox"/> Multi-stage cement shoe	<input type="checkbox"/> Multiple parallel strings
Drilled hole size (in.):	9 7/8	Depth of drilled hole (ft.):	11200	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:		82
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: shoe Lower:		
Was cement circulated to ground surface (or bottom of cellar) outside casing?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Setting depth tool (ft.): 11198	
Hrs. waiting on cement before drill-out: 16		Calculated top of cement (ft.): 5200		Cementing date: 8-Jun-17		

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	795	50/50 POZ/C	Remarks	1772.9	5500.0
2	101	50/50 POZ/H	Remarks	155.5	500.0
3					
Total	896			1928.4	6000

III. CASING CEMENTING DATA

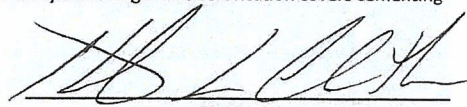
Type of casing:	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Production	<input type="checkbox"/> Tapered production	<input checked="" type="checkbox"/> Multi-stage cement/DV tool	<input type="checkbox"/> Multiple parallel strings
Drilled hole size (in.):	9 7/8	Depth of drilled hole (ft.):	11200	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:		82
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)				
Upper:	Lower:	Upper:	Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used		
Upper:	Lower:	Upper:	Lower:	Upper: Lower:		
Was cement circulated to ground surface (or bottom of cellar) outside casing?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Setting depth tool (ft.): 5196	
Hrs. waiting on cement before drill-out: 16		Calculated top of cement (ft.): Surface		Cementing date: 8-Jun-17		

SLURRY

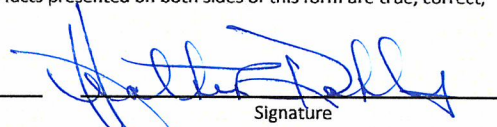
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	508	50/50 POZ/C	Remarks	1092.2	4900.0
2	50	CLASS C	Remarks	66.5	300.0
3					
Total	558			1158.7	5200

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: D020 10% + D013 .65% + D079 .2% + D047 .02 GAL/SK + D177 .02 GAL/SK Stage 1 Tail: D020 3% + D065 .1% + D238 .3% + D208 .1% + D079 .25% + D013 .2% + D047 .02 GAL/SK Stage 2 Lead: D020 6% + D079 .2% + D047 .02 GAL/SK Stage 2 Tail: D177 .02 GAL/SK							

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.

HECTOR COLON, FS	Schlumberger	
Name and title of cementer's representative	Cementing Company	Signature
7104 W County Rd 116	Midland TX 79706	(432) 681-1100
Address	City, State, Zip Code	Tel: Area Code Number
		June 8, 2017
		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 DAHL GREEN	GEN TECH	
Typed or printed name of operator's representative	Title	Signature
1530 16th St Ste 500 Denver CO 80202	720-974-2069	4/6/2018
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.

- 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.
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- 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

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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 Holdings LLC	Operator P-5 No.:	265322
Cementer Name:	Schlumberger	Cementer P-5 No.:	754900

WELL INFORMATION

District No.:	08	County:	Ward
Well No.:	1H	API No.:	42-475-37230
Lease Name:	UL Freemont 38-17	Drilling Permit No.:	825332
Field Name:	Phantom (Wellcamp)	Lease No.:	
		Field No.:	71052900

I. CASING CEMENTING DATA

Type of casing:	<input type="checkbox"/> Conductor	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Liner	<input checked="" type="checkbox"/> Production
Drilled hole size (in.):	6 3/4	Depth of drilled hole (ft.):	16399	Est. % wash-out or hole enlargement:	20% Remarks
Size of casing in O.D. (in.):	5 1/2	Casing weight (lbs/ft) and grade:	23" P110	No. of centralizers used:	0
Was cement circulated to ground surface (or bottom of cellar) outside casing?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Setting depth shoe (ft.):	Top of liner (ft.):	
			16373	Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):	10,000	Cementing date:	27-Jun-17

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	1027	5050PozH	Remarks	129.3	11970
2					
3					
Total	1027			129.3	11970

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 checked="" 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					

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 checked="" 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					

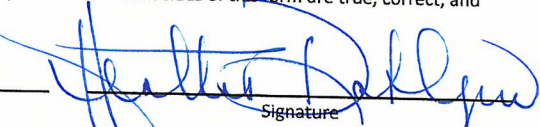
CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount 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:	5050PozH+.2%D255+.3%D800+2%D020+.05%D208+.02gal/skD047+.01gal/skD177
#2:	
#3:	
#4:	

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.

Donald Anders, FS		Schlumberger			
Name and title of cementer's representative		Cementing Company		Signature	
7104 W County Rd 116	Midland	TX	79706	(432) 681-1100	June 27, 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 DANILGREN		ENGTECH			
Typed or printed name of operator's representative		Title		Signature	
1530 16th St	5th	Denver	CO 80202	720-974-2009	4/6/2018
Address	City	State	Zip Code	Tel: Area Code Number	Date: mo. day yr.

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RAILROAD COMMISSION OF TEXAS

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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 Holdings II LLC	Operator P-5 No.:	265322
Cementer Name:	Schlumberger	Cementer P-5 No.:	754900

WELL INFORMATION

District No.:	09	County:	WARD
Well No.:	38-171H-1H	API No.:	42-475-37230
Lease Name:	UL FREEMONT 38-17	Drilling Permit No.:	825332
Field Name:	Phantom (Wolfcamp)	Lease No.:	
		Field No.:	71052900

I. CASING CEMENTING DATA

Type of casing:	<input type="checkbox"/> Conductor	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Liner	<input checked="" type="checkbox"/> Production
Drilled hole size (in.):		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?			Setting depth shoe (ft.):	Top of liner (ft.):	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no for surface casing, explain in Remarks.				Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):	Cementing date: 15-Jun-17		

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	162	H NEAT	Remarks	19.7	
2	162	H NEAT	Remarks	19.7	
3	162	H NEAT	Remarks	19.7	
Total	486			59.2	

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?				Setting depth tool (ft.):		
<input type="checkbox"/> Yes <input type="checkbox"/> No						
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):	Cementing date:			

SLURRY

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

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?				Setting depth tool (ft.):		
<input type="checkbox"/> Yes <input type="checkbox"/> No						
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):	Cementing date:			

SLURRY

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

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	14-Jun-17	14-Jun-17	14-Jun-17				
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	162	162	162				
Slurry volume pumped (cu. ft.)	33	33	33				
Calculated top of plug (ft.)	12,620	11,855	11,098				
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)	15.6	15.6	15.6				
Class/type of cement	H	H	H				
Perforate and squeeze (YES/NO)							

REMARKS

#1: .02GPSD047+94LB/SKD090+.09GPS d080+.04GPSd177

#2:

#3: Plug pilot hole 13,385 - 11,098

#4:

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.

STEPHEN LANCASTER, FIELD SPECIALIST 3

Name and title of cementer's representative

Schlumberger

Cementing Company

Signature

7104 W County Rd 116

Midland

TX

79706

(432) 681-1100

June 15, 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 DANLIGREN

Typed or printed name of operator's representative

ENGINEER

Title

Stephen Lancaster

Signature

1530 16th St Ste 500 Danner CD 80202 720-974-2069

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.

Tracking No.: 190886

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: 08/01/2017
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 825332	
Lease Name UL FREMONT 38-17	Lease/ID No. 50152	Well No. 1H
County WARD	API No. 42- 475-37230	

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

04/17/2018

Date

-FOR RAILROAD COMMISSION USE ONLY-

**LEAM Drilling Systems**

2027 A Airport Rd Conroe, Tx

UL Fremont 38-17 1H**Scale 1":100' - MD****6/25/2017 1:03 AM****per. Company:** Felix Energy**State:** Texas**Well:** UL Fremont 38-17 1H**County:** Ward**Field:** Permian**Country:** USA**Rig:** Cactus 137**Location:** Ward County, Tx**Well ID:** 42-475-37230**Start Date:****Job Number:** MD-170385**End Date:****Latitude:** 31° 32' 57.795N**Elev GL:** 2635**Longitude:** 103° 11' 22.559 W**Elev DF:** 2635**Elev KB:** 2660**Operator 1:** Kris Hurt**Operator 2:** Will Mendenhall

Log Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Log S/N	E12LU/GT78	E16WY/DG10	E12LU/GT78	E16WY/GT269	E1003/DG10
Size	12 1/4	12 1/4	9 7/8	9 7/8	9 7/8
Factor	2	2	2	2	2
Survey Offset	57.00	57.00	57.00	57.00	56.00
Gamma Offset	50.00	50.00	50.00	50.00	49.00
Resistivity Offset	0.00	0.00	0.00	0.00	0.00
True Depth	1045.00	3638.00	5018.00	8088.00	8756.00
Log Date	5/25/2017	5/27/2017	5/31/2017	6/1/2017	6/2/2017
Log Time	00:09	00:15	16:33	16:38	16:40
True Depth	3638.00	5018.00	8088.00	8756.00	9073.00
Log Date	5/27/2017	5/29/2017	6/1/2017	6/1/2017	6/3/2017
Log Time	00:00	00:00	00:00	00:00	00:00
Log Type	WBM	WBM	WBM	WBM	WBM
Log Weight	10.2	10.2	9.3	9.3	9.4
Channel Viscosity	.2	.3	.3	.2	.3
Static Viscosity	.2	.2	.2	.3	.3
Log Point	.1	.1	.2	.2	.3
Log Strength	.1	.1	.2	.3	.3
Log Solids Content	6	5	3	2	3
Log Solids Content	0	0	0	0	0
Log Alkalinity	.3	.2	.2	.3	.1
Log Rate Alkalinity	.2	.3	.4	.3	.2
Log Chlorides	180000	174000	70000	75000	70000
Log Temperature	138	146	152		

Hole Data			Casing Data		
Size	From	To	Size	From	To
17 1/2	106.00	1045.00	13 3/8	0.00	1005.00
12 1/4	1045.00	5018.00	10 3/4	1005.00	4934.00

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

1. Field name exactly as shown on proration schedule PHANTOM (WOLFCAMP)					2. Lease name as shown on proration schedule UL FREMONT 38-17				
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 50152	6. County WARD	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 08/01/2017	
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					
GENESIS CRUDE OIL, L.P.(300178)				100.0					
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>07/27/2018</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) Felix Admin Services			Signature						
Title heatherd@felix-energy.com			<input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (<i>see instruction G</i>)						
E-mail Address (optional)			Date 04/17/2018		Phone with area code (720) 974-2069				

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

Form P-8

Reference No. 38454

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 WARD
		5. API No. 42-475-37230
6. Field Name (Wildcat or exactly as shown on RRC records) PHANTOM (WOLFCAMP)	7. Drilling Permit No. 825332	8. Rule 37 Case No.
9. Lease Name UL FREMONT 38-17	10. Oil lease No.	11. Well No. 1H
12. Drilling completed on <u>06/27/2017</u>	13. Completion report--Form W-2 or G-1--will be filed on <u>09/01/2017</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>07/06/2017</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>07/06/2017</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	07/06/2017	
Telephone	Date	
RRC District Office Action		
Status: Approved	Barrels recommended <u>75000</u>	RRC Staff <u>07/07/2017</u> Date

RAILROAD COMMISSION OF TEXAS

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

Form P-16

Page 1

Rev. 01/2016

Acreage Designation

SECTION I. OPERATOR INFORMATION

Operator Name: Felix Energy Holdings II, LLC	Operator P-5 No.: 265322
Operator Address: 1530 16th Street, Suite 500, Denver, CO 80202	

SECTION II. WELL INFORMATION

District No.: 08	County: Ward	Purpose of Filing: <input type="checkbox"/> Drilling Permit Application (Form W-1) <input checked="" type="checkbox"/> Completion Report (Form G-1/W-2)
Well No.: 1H	API No.: 42-475-37230	
Total Lease Acres: 320.60	Drilling Permit No.: 825332	
Lease Name: UL Fremont 38-17	Lease No.: 110984	
Field Name: Phantom (Wolfcamp)	Field No.: 71052900	

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

[illegible]

Total Well Count >	1	320.60	< A. Total Assigned Horiz. Acreage	320.60	< C. Total Assigned Acreage
		0	< Total Remaining Horiz. Acreage	0	< Total Remaining Acreage
		0	< B. Total Assigned Vert./Dir. Acreage		
		0	< Total Remaining Vert./Dir. Acreage		

SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)

Attach Additional Pages As Needed. ☒ **No additional pages** ☐ **Additional Pages: _____** (No. of additional pages)

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Signature Cynthia Mitchell

Crystal M Hink
Name and title (type or print)

Email (include email address *only* if you affirmatively consent to its public release)

1530 16th Street, Suite 500
Address

Denver	CO	80202
City,	State,	Zip Code

720	974-2076
Tel: Area Code	Number

2/16/18
Date: mo. day yr.

Felix - UL Fremont - Producing Field



SILVERBACK OPER LLC
OXY FEE '24' 1
42389326370000



SHELL WESTERN E&P IN
UNIVERSITY 19-18 1
42301312040000

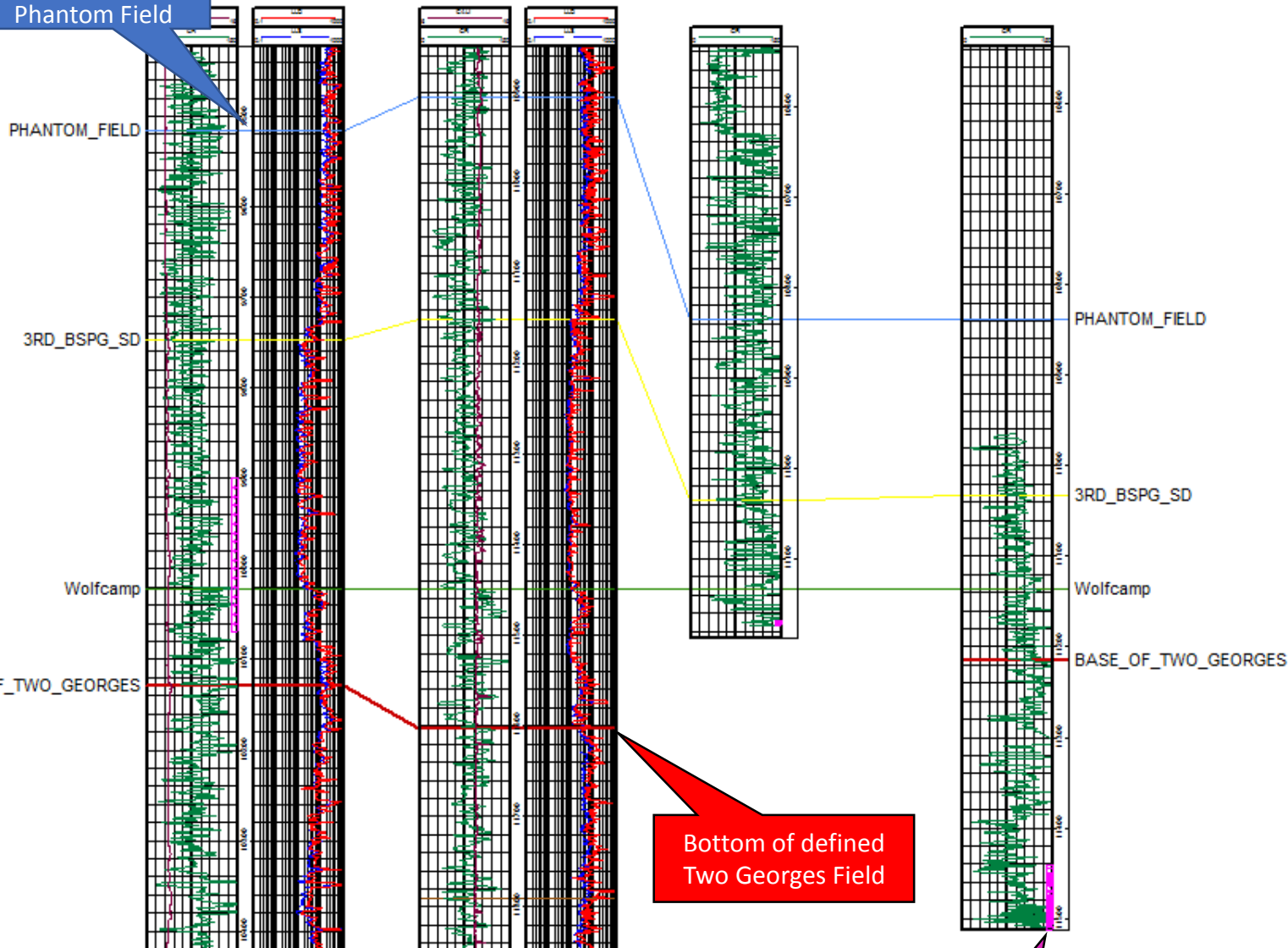


FELIX ENERGY HOLDINGS II, LLC
UNIVERSITY 38-17 1
42475360050100



FELIX ENERGY HOLDINGS II, LLC
UL FREMONT 38-17 1H
42475372300100

Top of defined
Phantom Field



Bottom of defined
Two Georges Field

Horizontal Producing
Interval

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 03 May 2017**GAU Number:** 170262**Attention:** FELIX ENERGY HOLDINGS II,
FELIX ENERGY
DENVER, CO 80202**Operator No.:** 265322**API Number:**
County: WARD
Lease Name: UL: Fremont 38-17
Lease Number:
Well Number: 1H
Total Vertical Depth: 14000
Latitude: 31.549386
Longitude: -103.189601
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Abstract-U77; Block-17; Section-38

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 900 feet, must be protected.

This recommendation is applicable to all wells within a radius of 1200 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 04/10/2017. 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

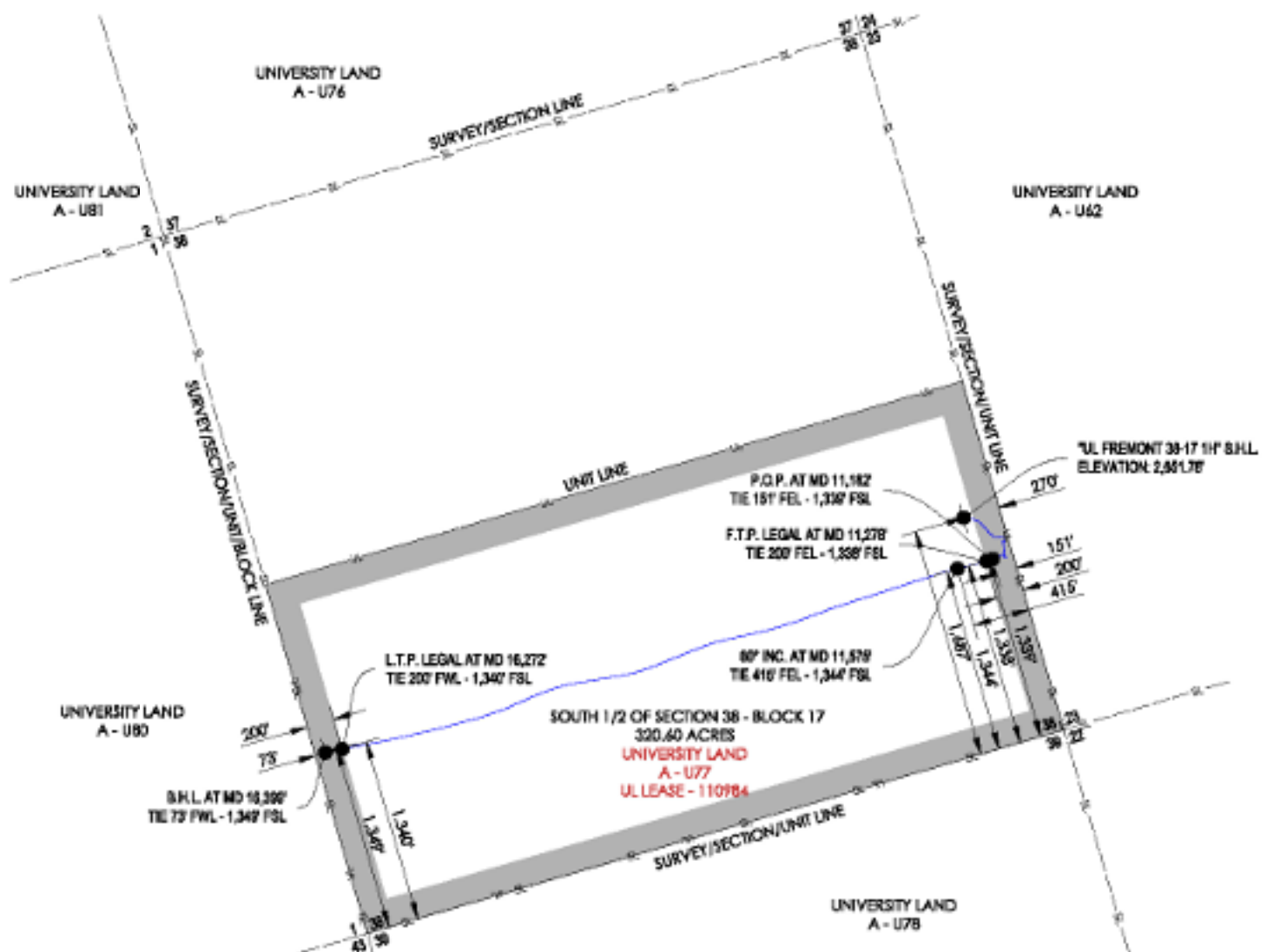
Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
Rev. 02/2014



FELIX ENERGY HOLDINGS II
WARD COUNTY, TEXAS
S.H.L. 270' FEL - 1,687' FSL, SECTION 38, BLOCK 17

LEGEND

UL	UNIT LINE
SL	SECTION LINE
AS-DILLED WELL PATH	AS-DILLED WELL PATH
EXISTING WELL PATH	EXISTING WELL PATH
200' UNIT OFFSET	200' UNIT OFFSET
S.H.L.	SURFACE HOLE LOCATION
P.O.P.	POINT OF PENETRATION
F.T.P.	FIRST TAKE POINT
T.P.	TURNING POINT
L.T.P.	LAST TAKE POINT
B.H.L.	BOTTOM HOLE LOCATION



OPERATOR: FELIX ENERGY, LLC

WELL NAME: UL FREMONT 38-17 WELL NO: 1H

TOPOGRAPHIC & VEGETATION: FLAT LOCATION WITH LOW LYING BRUSH

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

BEST ACCESSIBILITY TO LOCATION: FROM NORTH

DISTANCE & DIRECTION

FROM HWY JCT OR TOWN: ±3.87 MILES NORTHWEST OF PYOTE, TX
FROM THE INTERSECTION OF PYOTE ST. AND HIGHWAY 2355 IN PYOTE, TX, TAKE HIGHWAY 2355 AND TRAVEL WEST FOR ±4.4 MILES, TURN LEFT ONTO AN EXISTING LEASE ROAD AND TRAVEL FOR ±0.9 MILES, CONTINUE STRAIGHT FOR 125 FEET ON PROPOSED LEASE ROAD.

SURFACE HOLE LOCATION:

270' FEL & 1,687' FSL (SEC. 38)
GROUND ELEVATION: 2,651.78'
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 696151.43, EASTING: 1110351.46
LATITUDE: N 31.54938756°, LONGITUDE: W 103.18959981°
NAD 83 TEXAS CENTRAL ZONE
NORTHING: 10538726.93, EASTING: 1406817.25
LATITUDE: N 31.54952027°, LONGITUDE: W 103.19004141°

POINT OF PENETRATION:

151' FEL & 1,338' FSL (SEC. 38)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 695851.03, EASTING: 1110562.94
LATITUDE: N 31.54857688°, LONGITUDE: W 103.18889638°

FIRST TAKE POINT:

200' FEL & 1,338' FSL (SEC. 38)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 695836.56, EASTING: 1110516.18
LATITUDE: N 31.54853383°, LONGITUDE: W 103.18904526°

LAST TAKE POINT:

200' FWL & 1,340' FSL (SEC. 38)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 694467.90, EASTING: 1105830.97
LATITUDE: N 31.54444079°, LONGITUDE: W 103.20396723°

BOTTOM HOLE LOCATION:

73' FWL & 1,340' FSL (SEC. 38)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 694441.65, EASTING: 1105706.74
LATITUDE: N 31.54435982°, LONGITUDE: W 103.20436371°

UNIT CORNERS

LOCATION	STATE PLANE TEXAS CENTRAL ZONE	COORDINATE (FEET)
NE CORNER OF THE SOUTH 1/2 OF BLK 17-SEC 38	N: 697145.02 E: 1110342.40	LAT: 31.5521180° LONG: -103.1887100°
SE CORNER BLK 17-SEC 38	N: 694807.48 E: 1110363.12	LAT: 31.5481916° LONG: -103.1871247°
SW CORNER BLK 17-SEC 38	N: 690123.96 E: 1108014.38	LAT: 31.5467617° LONG: -103.2032752°
NW CORNER OF THE SOUTH 1/2 OF BLK 17-SEC 38	N: 696955.18 E: 1102753.09	LAT: 31.54789174° LONG: -103.2058957°



CONTACT INFORMATION:

Shannon D. Ozment
Crafton Tull (818) 937-15
1000 Ledgeview Dr.
Conway, AR 72034

GENERAL NOTES:
1. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON REASONABLE VISUAL OBSERVATION. LOCATIONS OF UNDERGROUND UTILITIES STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. 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 OFFICE OF THE VARIOUS UTILITIES SERVING THIS AREA SHOULD BE CONTACTED FOR THEIR UTILITY LOCATION.
2. BASE OF BEARINGS: TEXAS STATE PLANE GRID, CENTRAL ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION.
3. COMBINED SCALE FACTOR AT S.H.L. - 0.99999880
4. VERTICAL DATUM IS NAVD 83
5. AREAS, DISTANCES, AND COORDINATES ARE "GROSS" BASED ON U.S. SURVEY FEET.
6. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY.



801.328.3314 | 801.328.3324
www.craftontull.com

REVISION	
06-28	PRELIMINARY AS-DILLED PLAT
01-29	FINAL AS-DILLED PLAT

"UL FREMONT 38-17 1H"

PART OF SECTION 38, BLOCK 17
320.60 ACRES
WARD COUNTY, TEXAS
FINAL AS-DILLED PLAT

SCALE: 1" = 1000'
PLOT DATE: 01-29-2018

CHECKED BY:
DRAWN BY:

J.PARKER
JWB

APPROVED BY:
SHEET NO.: 1 OF 1

A.JULE