



## RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved  
Date: 06/21/2018  
Tracking No.: 184980

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

## OPERATOR INFORMATION

Operator Name: FORGE ENERGY, LLC Operator No.: 276868  
Operator Address: 15727 ANTHEM PKWY STE 501 SAN ANTONIO, TX 78249-0000

## WELL INFORMATION

API No.: 42-371-39532 County: PECOS  
Well No.: 2H RRC District No.: 08  
Lease Name: UL 24 VOYAGER Field Name: WOLFBONE (TREND AREA)  
RRC Lease No.: 50017 Field No.: 98359800  
Location: Section: 2, Block: 24, Survey: UL, Abstract: U201  
Latitude: 30.891081 Longitude: -102.634257  
This well is located 14.6 miles in a N direction from FT. STOCKTON, 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: 09/24/2017  

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	04/26/2017	825576
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

## COMPLETION INFORMATION

Spud date: 07/22/2017 Date of first production after rig released: 09/24/2017  
Date plug back, deepening, recompletion, or drilling operation commenced: 07/22/2017 Date plug back, deepening, recompletion, or drilling operation ended: 08/11/2017  
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: 640.00 Elevation (ft.): 2882 GR  
Total depth TVD (ft.): 7480 Total depth MD (ft.): 12770  
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): 150.0  
Is Cementing Affidavit (Form W-15) attached? Yes  
Recompletion or reclass? No Multiple completion? No  
Type(s) of electric or other log(s) run: Gamma Ray (MWD)  
Electric Log Other Description:  
Location of well, relative to nearest lease boundaries  
of lease on which this well is located: 200.0 Feet from the North Line and 2050.0 Feet from the East Line of the UL 24 VOYAGER Lease.

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

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

W2: N/A

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

**GAU Groundwater Protection Determination**                      **Depth (ft.):** 800.0                      **Date:** 04/25/2017  
**SWR 13 Exception**    **Depth (ft.):**

**INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION**

**Date of test:** 12/18/2017    **Production method:** Pumping  
**Number of hours tested:** 24    **Choke size:**  
**Was swab used during this test?** No    **Oil produced prior to test:** 3897.12

**PRODUCTION DURING TEST PERIOD:**

**Oil (BBLs):** 125.00    **Gas (MCF):** 125  
**Gas - Oil Ratio:** 1000    **Flowing Tubing Pressure:** 468.00  
**Water (BBLs):** 1046

**CALCULATED 24-HOUR RATE**

**Oil (BBLs):** 125.0    **Gas (MCF):** 125  
**Oil Gravity - API - 60.:** 38.8    **Casing Pressure:** 76.00  
**Water (BBLs):** 1046

**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	983			ECONOCE M/HALCE M	795	1404.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	6521	3666		C/HALCEM C	770	1980.0	240	Calculation
3	Intermediate	9 5/8	12 1/4	6521			C	550	1396.0	3666	Circulated to Surface
4	Conventional Production	5 1/2	8 3/4	12760			H	1635	1994.0	4298	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.)	Packer Depth (ft.)/Type
1	2 7/8	7025	/

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 7500	12770.0

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

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? Yes

If yes, actuation pressure (PSIG): 7455.0

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 7455

Actual maximum pressure (PSIG) during hydraulic fracturing: 8122

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? Yes

<u>Row</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>	
1	Fracture	SEE FRAC FOCUS	7500	12770

**FORMATION RECORD**

<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
TOBORG	No			No	NOT IN AREA
SOMA	No			No	NOT IN AREA
RUSTLER	Yes	1113.0	1113.0	Yes	
YATES	No			No	NOT IN AREA
SEVEN RIVERS	No			No	NOT IN AREA
GRAYBURG	No			No	NOT IN AREA
O'BRIEN	No			No	NOT IN AREA
GLORIETA	No			No	NOT IN AREA
TUBB	No			No	NOT IN AREA
QUEEN	No			No	NOT IN AREA
SAN ANDRES - USABLE QUALITY WATER ZONE; LOW VOLUME PERMIAN GENERAL	No			No	NOT IN AREA
CLEARFORK	No			No	NOT IN AREA
SULLIVAN	No			No	NOT IN AREA
WICHITA ALBANY	No			No	NOT IN AREA
DELAWARE	No			No	NOT IN AREA
MONTOYA	No			No	NOT IN AREA
WADDELL	No			No	NOT IN AREA
CANYON	Yes	3766.0	3766.0	Yes	
BONE SPRINGS	Yes	5176.0	5177.0	Yes	
CABBALLOS	No			No	NOT IN AREA
STRAWN	No			No	NOT IN AREA
ZONE - UNIDENTIFIED	No			No	NOT IN AREA
MULTIPAY - UNIDENTIFIED	No			No	NOT IN AREA
WOLFCAMP	Yes	7133.0	7202.0	Yes	
PENNSYLVANIAN	No			No	BELOW TVD
MISSISSIPPIAN	No			No	BELOW TVD
ATOKA	No			No	BELOW TVD
ELLENBURGER	No			No	BELOW TVD
DEVONIAN	No			No	BELOW TVD

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?  
Is the completion being downhole commingled (SWR 10)?

Yes

No

### REMARKS

### RRC REMARKS

#### PUBLIC COMMENTS:

[RRC Staff 2018-03-27 13:03:40.649] EDL=5270 feet, max acres=440, WOLFBONE (TREND AREA) oil well

#### CASING RECORD :

#### TUBING RECORD:

#### PRODUCING/INJECTION/DISPOSAL INTERVAL :

KOP IS 6674'

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

#### POTENTIAL TEST DATA:

### OPERATOR'S CERTIFICATION

Printed Name: Bryce Harlow

Title: Technical Analyst

Telephone No.: (210) 478-5960

Date Certified: 06/20/2018



# 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: FORGE ENERGY LLC-EBUS	Operator P-5 No.: 276868
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

#### WELL INFORMATION

District No.: 08	County: REEVES	
Well No.: UL 24 VOYAGER	API No.: 371-39532	Drilling Permit No.: 825576
Lease Name: 2H	Lease No.:	
Field Name: WOLFBONE (TREND AREA)	Field No.: 98359800	

#### 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.): 983	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 13 3/8	Casing weight (lbs/ft) and grade: 68# J-55	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.): 983	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 0	Calculated top of cement (ft.): 0	Cementing date: 7/24/2017

#### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	605	ECONOCEM	.25 POLY-E-FLAKE, 3# KOL-SEAL	1145	683
2	190	HALCEM (TM) SYSTEM C	1% CAL, .25% POLY-Y-FLAKE, 3# KOL-SEAL	259	205
3					
Total	795			1404	888

#### II. CASING CEMENTING DATA

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

#### SLURRY

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

#### III. CASING CEMENTING DATA

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

#### SLURRY

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

**CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON**

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

**REMARKS**

904181077 CIRCULATED 5240 SACKS TO THE PIT.

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.

**DANNY DEEL**

Halliburton



Name and title of cementer's representative	Cementing Company	Signature	
1301 W. Webb St.	Brownfield, Tx, 79316	575-392-0700	7/24/2017
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.

Katrina Boyd

Operations Assistant II



Typed or printed name of operator's representative	Title	Signature	
15727 ANTHEM PARKWAY, SUITE 501 SAN ANTONIO, TX 78249		432-219-3638	01/19/2018
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.
- B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.  
  
To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



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Form W-15

Rev. 08/2014

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

## CEMENTING REPORT

### OPERATOR INFORMATION

Operator Name: FORGE ENERGY LLC-EBUS	Operator P-5 No.: 276868
Cementer Name: HALLIBURTON	Cementer P-5 No.: 347151

### WELL INFORMATION

District No.: 08	County: PECOS	
Well No.: 2H	API No.: 371-39532	Drilling Permit No.: 825576
Lease Name: UL 24 VOYAGER	Lease No.:	
Field Name: WOLFBONE (TREND AREA)	Field No.: 98359800	

### 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? <input type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.):	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

### SLURRY

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

### 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.): 12 1/4	Depth of drilled hole (ft.): 6550	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 9 5/8	Casing weight (lbs/ft) and grade: 40# J-55	No. of centralizers used: 44
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.): 6521	
Hrs. waiting on cement before drill-out: 5	Calculated top of cement (ft.): 0	Cementing date: 08/01/2017

### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	430	CLASS C	3 lbm Kol-Seal Pre-Mix Dry	1221	3907
2			0.1250 lbm Poly-E-Flake Pre-Mix Dry		
3	120	CLASS C		175	484
Total	550			1396	4391

### 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.): 12 1/4	Depth of drilled hole (ft.): 6550	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 9 5/8	Casing weight (lbs/ft) and grade:	No. of centralizers used: 44
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Setting depth tool (ft.): 3666	
Hrs. waiting on cement before drill-out: 5	Calculated top of cement (ft.): 240	Cementing date: 08/01/2017

### SLURRY

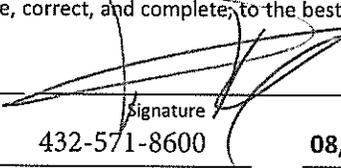
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	650	CLASS C		1820	5806
2	120	HalCem™ C	0.20 % HR-800 Pre-Mix Dry	160	502
3					
Total	770			1980	6308

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**

80 bbls = 158 sks of cmt to surface FROM 1ST STAGE

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.

**ALI ELKADRI / SUPERVISOR** **Halliburton**  
 Name and title of cementer's representative Cementing Company  
 6155 W. Murphy St. Odessa, TX, 79763 Signature   
 Address City, State, Zip Code Tel: Area Code Number Date: mo. day yr.  
 432-571-8600 08/01/2017

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.

**Katrina Boyd** **Operations Assistant II**   
 Typed or printed name of operator's representative Title Signature  
 15727 ANTHEM PARKWAY, SUITE 501 SAN ANTONIO, TX 78249 432-219-3638 1/19/2018  
 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.

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 To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



# RAILROAD COMMISSION OF TEXAS

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

## Form W-15

Rev. 08/2014

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

### CEMENTING REPORT

OPERATOR INFORMATION	
Operator Name: FORGE ENERGY LLC-EBUS	Operator P-5 No.: 276868
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION		
District No.: 08	County: PECOS	
Well No.: 2H	API No.: 371-39532	Drilling Permit No.: 825576
Lease Name: UL 24 VOYAGER	Lease No.:	
Field Name: WOLFBONE (TREND AREA)	Field No.: 98359800	

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.): 8 3/4	Depth of drilled hole (ft.): 12770	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 5 1/2	Casing weight (lbs/ft) and grade: 23# HCL - 80	No. of centralizers used: 78
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.): 12760	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 0	Calculated top of cement (ft.): 4928	Cementing date: 8/11/2017

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1635	H	.40% HALAD-344/.25 % HR-601	1994	7842
2					
3					
<b>Total</b>	1635			1994	7842

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

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

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

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
<b>Total</b>	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**

S.O.# 0904218272

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.

**GUSTAVO GARZA SERVICE SUPERVISOR**

**Halliburton**

*Gustavo Garza*

Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

8/11/2017

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.

Katrina Boyd

Operations Assistant II

*Katrina Boyd*

Typed or printed name of operator's representative

Title

Signature

15727 ANTHEM PARKWAY, SUITE 501 SAN ANTONIO, TX 78249

432-219-3638

01/19/2018

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.
- B. How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- C. Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.  
To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- D. Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

Tracking No.: 184980

*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: FORGE ENERGY, LLC	District No. 08	Completion Date: 09/24/2017
Field Name WOLFBONE (TREND AREA)	Drilling Permit No. 825576	
Lease Name UL 24 VOYAGER	Lease/ID No. 50017	Well No. 2H
County PECOS	API No. 42- 371-39532	

**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). \_\_\_\_\_

Katrina Boyd  
 \_\_\_\_\_  
 Signature  
 FORGE ENERGY, LLC  
 \_\_\_\_\_  
 Name (print)

Operations Assistant  
 \_\_\_\_\_  
 Title  
 (432) 524-1301  
 \_\_\_\_\_  
 Phone  
 01/19/2018  
 \_\_\_\_\_  
 Date

-FOR RAILROAD COMMISSION USE ONLY-



# Gamma Ray

LWD

Recorded  
MD

1:1200 / 1:240

## Final Print

Company : <b>Forge Energy</b> Well : <b>UL 24 Voyager 2H</b> Field : <b>Wolfbone (Trend Area)</b> County : <b>Pecos</b> State : <b>Texas</b> Country : <b>United States</b>	Company : <b>Forge Energy</b> Well : <b>UL 24 Voyager 2H</b> Field : <b>Wolfbone (Trend Area)</b> Rig : <b>H&amp;P 602</b> County : <b>Pecos</b> State : <b>Texas</b> Country : <b>United States</b> API # : <b>42-371-39532</b>					
	Location	Latitude : <b>30° 53' 27.89" N</b>				
		Longitude : <b>102° 38' 3.33" W</b>				
		+N / -S : <b>452,763.30 ft</b>				
	+E / -W : <b>1,278,345.60 ft</b>					
Other Services : <b>Directional and Temperature</b>						
Permanent Datum : <b>Mean Sea Level</b>	Elevation : <b>0 ft</b>	<b>above Mean Sea Level</b>	Elevation	K.B. : <b>Top Drive</b>		
Log Measured From : <b>Drill Floor</b>	Elevation : <b>2907 ft</b>	<b>above Perm. Datum</b>		D.F. : <b>2907 ft</b>		
Depth Reference : <b>Driller's Pipe Tally</b>				G.L. : <b>2882 ft</b>		
Depth Logged : <b>983 ft</b>	To : <b>12710 ft</b>	Total Depth MD : <b>12770 ft</b>		W.D. : <b>N / A</b>		
Date Logged : <b>25-Jul-17</b>	To : <b>09-Aug-17</b>	Total Depth TVD : <b>7480 ft</b>				
Borehole Record			Casing Record			
Hole Size (in.)	From (MD, ft)	To (MD, ft)	Casing Size (in.)	Weight (lbm/ft)	From (MD, ft)	To (MD, ft)
17.500	0	983	13.375	68.00	0	983
12.250	983	6550	9.625	40.00	0	6517
8.750	6550	12770				
WFT Job Number	<b>12588750</b>	WFT Base	<b>Midland</b>			

### DISCLAIMER

In interpreting, communicating or providing information and/or making recommendations, either written or oral, based upon data, samples or information, or upon inferences from measurements and empirical relationships and assumptions (collectively "Analytical Services"), Contractor will give Company the benefit of Contractor's best judgment based on its experience and will perform all such Analytical Service in accordance with standard industry practices. Contractor makes no other warranty with respect to the Analytical Services, hereby disclaiming any warranty as to the adequacy, sufficiency or completeness of any data, reports, estimates, analyses, interpretations, modeling, predictions, opinions or recommendations provided in connection with the Analytical Services, all of which shall be considered advisory only. Any interpretation or test or other data, and any recommendations or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ.

**ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE ANALYTICAL SERVICES WILL BE AT THE SOLE RISK OF COMPANY. THE ANALYTICAL SERVICES, THEREFORE, SHOULD NOT BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION, OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS BASED ON THE ANALYTICAL SERVICES.**

### RUN SUMMARY

Run Number	01	02	03	04	05
Bit Type	PDC	PDC	PDC	Tricone	PDC
Bit Size	12.250	12.250	12.250	12.250	8.750

**RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION  
CERTIFICATE OF COMPLIANCE STATEWIDE RULE 36**

FORM H-9  
12/12/77

FILE WITH  
DISTRICT OFFICE  
IN TRIPLICATE

1. Operator		2. Operator Number (See Instruction 13)		3. RRC Dist.	
4. Street or P. O. Box No.		5. City		6. State	
7. Zip Code		8. Name of Lease, Facility or Operation		9. Field or Area Name	
10. County		11. General Operation Type - Circle One:			
A - Oil Field Production B - Gas Field Production C - Pipeline or Gathering Sys. D - Gasoline Plant E - Drilling or Workover F - Sweetening Unit G - Combination (explain) H - Other (explain)		Other Explanation			
12. RRC ID# of Operation(s) to be Covered by This Certificate		Type ID Code (See Instruction 12)	Indicate if Filing for Storage Facility Only YES NO		13. Hydrogen Sulfide Concentration PPM
					14. Maximum Escape Volume MCF/Day
					15. 100 PPM Radius of Exposure (ROE) Ft.
					16. 500 PPM Radius of Exposure (ROE) Ft.
					17. Operation is Existing New
					18. Modification Resulting in Certificate Change Yes No
					19. Workover or Drilling Well with 100 PPM ROE Greater than 3000 feet on Rule 36 Certified Well/Lease Yes No
					20. Previous Certificate Number if Available (For Amended Certificates)
					21. The 100 PPM ROE includes any part of a public area except a public road Yes No
					22. The 500 PPM ROE includes any part of a public road Yes No
					23. Injection of fluid containing Hydrogen Sulfide (See Instruction 14) Yes No
					24. Date (or Depth) of Compliance with all applicable provisions of Rule 36
					Mo / Day / 19 Year
					Depth of Compliance for Drilling Operation Ft. from Surface
25. Contingency Plan Location of Plan (See Instruction 15)				Has been prepared Yes No	
26. Location of data used to prepare this certificate (See Instruction 15)					
<b>CERTIFICATE</b>					
I declare under penalties prescribed in Section 91.143, Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision, and that I am qualified to make this certification by virtue of my training and experience, and by my analysis of the operation being certified, or by the analysis of qualified person working under my supervision, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.					
<i>Katrina Boyel</i>					
Representative of Company		Title		Phone No. Date	

**RAILROAD COMMISSION USE ONLY**

This operation and the equipment used therein is approved on the basis of the above certification and is subject to further Commission audit for compliance with the required provisions of Statewide Rule 36. This approval may be cancelled if investigation determines that the operation does not comply with the provisions of Statewide Rule 36.

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

REMARKS:

CERTIFICATION NUMBER: \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE  
 AND TRANSPORTATION AUTHORITY**

This facsimile P-4 was generated electronically from data submitted to the RRC.  
 A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 184980

1. Field name exactly as shown on proration schedule <b>WOLFBONE (TREND AREA)</b>	2. Lease name as shown on proration schedule <b>UL 24 VOYAGER</b>			
3. Current operator name exactly as shown on P-5 Organization Report <b>FORGE ENERGY, LLC</b>	4. Operator P-5 no. <b>276868</b>	5. Oil Lse/Gas ID no <b>50017</b>	6. County <b>PECOS</b>	7. RRC district <b>08</b>
8. Operator address including city, state, and zip code <b>15727 ANTHEM PKWY STE 501                  SAN ANTONIO, TX 78249</b>	9. Well no(s) (see instruction E) <b>2H</b>			11. Effective Date <b>09/24/2017</b>
10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)				

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

**a. Change of:**  operator  oil or condensate gatherer  gas gatherer  gas purchaser  gas purchaser system code  
 field name from \_\_\_\_\_  
 lease name from \_\_\_\_\_

----- OR -----

**b. New RRC Number for:**  oil lease  gas well  other well (specify) \_\_\_\_\_ **Due to:**  new completion or recompletion  reclass oil to gas  reclass gas to oil  
 consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (Attach an additional sheet in same format if more space is needed)	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	ENERGY TRANSFER COMPANY(252017)	0001	100.0	

14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (Attach an additional sheet in same format if more space is needed)	Percent of Take
GENESIS CRUDE OIL, L.P.(300178)	100.0

**RRC USE ONLY:** Reviewer's initials: RRC Staff Approval date: 06/21/2018

**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 _____ Name (print) _____ Title _____	Signature _____ <input type="checkbox"/> <b>Authorized Employee of previous operator</b> <input type="checkbox"/> <b>Authorized agent of previous operator (see instruction G)</b> 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.

FORGE ENERGY, LLC _____ Name (print) <u>Operations Assistant</u> _____ Title <u>kboyd@forgeenergy.com</u> _____ E-mail Address (optional)	Katrina Boyd _____ Signature <input checked="" type="checkbox"/> <b>Authorized Employee of current operator</b> <input type="checkbox"/> <b>Authorized agent of current operator (see instruction G)</b> Date <u>01/19/2018</u> _____ Phone with area code <u>(432) 524-1301</u> _____
---	--



## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 25 April 2017      **GAU Number:** 170831

<b>Attention:</b>	FORGE ENERGY, LLC 10999 IH 10 WEST SUITE 900 SAN ANTONIO, TX 78230	<b>API Number:</b>	
<b>Operator No.:</b>	276868	<b>County:</b>	PECOS
		<b>Lease Name:</b>	UL 24 VOYAGER
		<b>Lease Number:</b>	
		<b>Well Number:</b>	2H
		<b>Total Vertical Depth:</b>	7500
		<b>Latitude:</b>	30.891081
		<b>Longitude:</b>	-102.634257
		<b>Datum:</b>	NAD27

**Purpose:** New Drill  
**Location:** Survey-UNIVERSITY LANDS; Block-24; Section-2

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The interval from the land surface to a depth of 800 feet must be protected.

This recommendation is applicable for all wells drilled in this N/2 of sec. 2.

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).

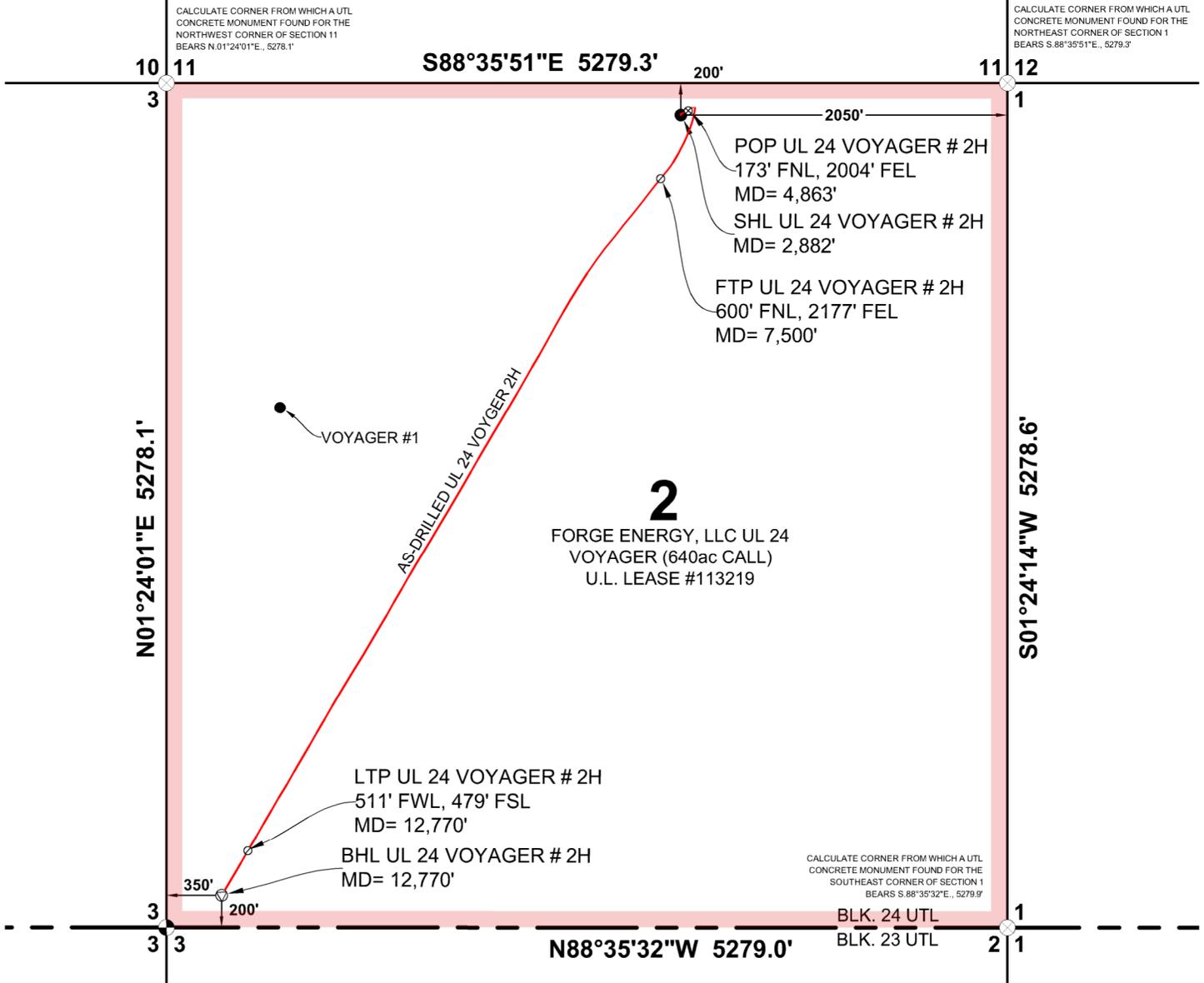
This determination is based on information provided when the application was submitted on 04/20/2017. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

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

AS DRILLED PLAT

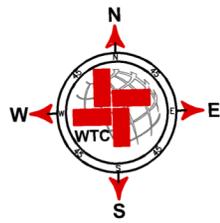
SECTION 2, BLOCK 24, UNIVERSITY LANDS SURVEY, PECOS COUNTY, TX



SURFACE HOLE LOCATION	NAD 83, TXSP-C, N.(Y): = 10295337.8', E.(X): = 1574811.4' - LAT.: = 30°53'28.45" N, LON.: = 102°38'04.86" W
	NAD 27, TX-C, N.(Y): = 452763.3', E.(X): = 1278345.6' - LAT.: = 30.8910819° N, LON.: = 102.6342577° W
POINT OF PENETRATION	NAD 83, TXSP-C, N.(Y): = 10295362.7', E.(X): = 1574858.3' - LAT.: = 30°53'28.71" N, LON.: = 102°38'04.33" W
	NAD 27, TX-C, N.(Y): = 452788.2', E.(X): = 1278392.5' - LAT.: = 30.8911531° N, LON.: = 102.6341099° W
FIRST TAKE	NAD 83, TXSP-C, N.(Y): = 10294941.0', E.(X): = 1574674.5' - LAT.: = 30°53'24.50" N, LON.: = 102°38'06.34" W
	NAD 27, TX-C, N.(Y): = 452366.5', E.(X): = 1278208.7' - LAT.: = 30.8899834° N, LON.: = 102.6346679° W
LAST TAKE	NAD 83, TXSP-C, N.(Y): = 10290806.7', E.(X): = 1571981.7' - LAT.: = 30°52'43.03" N, LON.: = 102°38'36.25" W
	NAD 27, TX-C, N.(Y): = 448232.2', E.(X): = 1275515.9' - LAT.: = 30.8784644° N, LON.: = 102.6429774° W
BOTTOM HOLE LOCATION	NAD 83, TXSP-C, N.(Y): = 10290532.0', E.(X): = 1571810.3' - LAT.: = 30°52'40.27" N, LON.: = 102°38'38.15" W
	NAD 27, TX-C, N.(Y): = 447957.5', E.(X): = 1275344.6' - LAT.: = 30.8776996° N, LON.: = 102.6435052° W

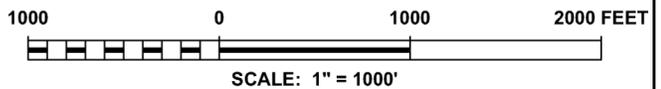
**SURVEYOR'S NOTES:**

- ALL DOWNHOLE, POINT OF PENETRATION AND BOTTOM HOLE INFORMATION AND THEIR LOCATIONS WERE PROVIDED BY FORGE ENERGY, AND ARE NOT GUARANTEED BY THIS SURVEYOR.
- SEE DOCUMENTS FILED IN THIS OFFICE WHICH DESCRIBE IN DETAIL THE RECONSTRUCTION OF THESE SECTIONS AND/OR BLOCKS, USING FOUND MONUMENTATION, GLO AND COURTHOUSE DOCUMENTATION.
- NO SURFACE OWNERSHIP WAS PROVIDED OR REQUESTED BY FORGE ENERGY AND NONE WAS RESEARCHED OR PROVIDED BY WTC, INC.
- BASIS OF BEARING, COORDINATES, AND DISTANCES ARE A LAMBERT CONICAL PROJECTION OF THE TEXAS COORDINATE SYSTEM, STATE PLANE GRID, NAD 83, TEXAS CENTRAL (4203), WITH A CONVERGENCE ANGLE OF -01°09'56.40" AND COMBINED SCALE FACTOR OF 0.999753529, BASED ON AN OPUS SOLUTION ON CONTROL POINT VEGA AT N.=10262753.325' - E.=1586125.363'
- THIS LOCATION IS APPROXIMATELY 14.6 MILES N.89°E. FROM FT. STOCKTON, TEXAS.



**LEGEND**

- DENOTES PROPOSED/ PERMITTED SHL WELL LOCATION
- DENOTES EXISTING WELL
- ⊙ DENOTES POINT OF PENETRATION
- ⊖ DENOTES BOTTOM HOLE/ TERMINUS LOCATION
- ⊙ DENOTES FIRST/ LAST TAKE
- ⊙ DENOTES FOUND SECTION CORNER
- ⊗ DENOTES CALCULATED CORNER
- ▭ DENOTES LEASE AREA



I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PERMIT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ACTUAL ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THE INFORMATION PRESENTED HEREON IS FOR TEXAS RAILROAD COMMISSION PERMITTING ONLY, AND DOES NOT CONSTITUTE OR REPRESENT A COMPLETE BOUNDARY SURVEY AS DEFINED BY THE T.B.P.L.S., "PROFESSIONAL LAND SURVEYING PRACTICES ACT." IF THERE ARE ANY ALTERATIONS MADE, (HAND DRAWN OR HANDWRITTEN ADDITIONS) THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

**PRELIMINARY** 10/23/2017  
 GREGORY W. SHOULTS RPLS #5356 DATE  
 SURVEY DATE: N/A DRAFT:RS  
 JOB NO.: WTC52159 SHEET:01 OF 01



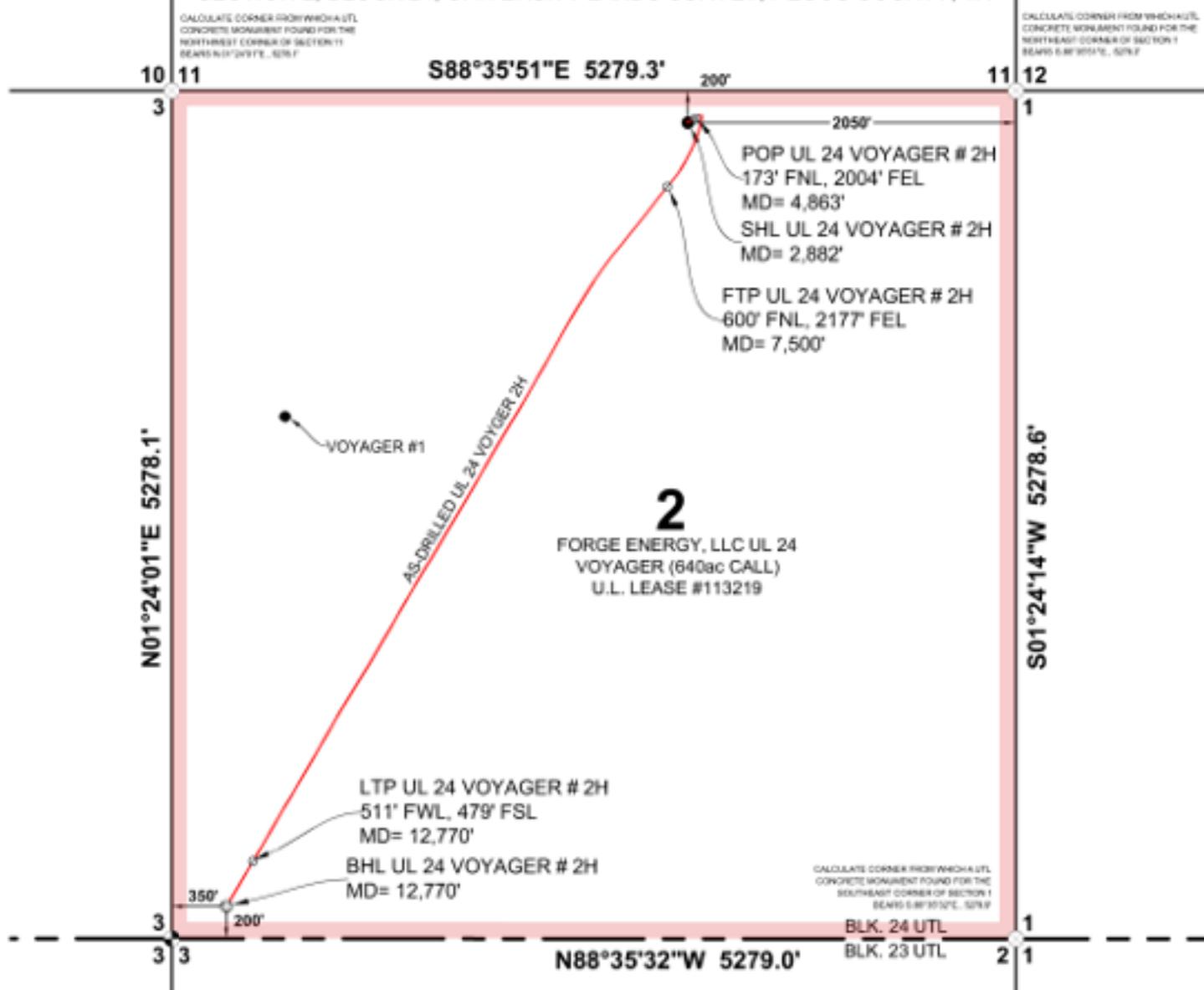
UL 24 VOYAGER #2H  
 LOCATED 200 FEET FROM THE NORTH LINE AND 2050 FEET FROM THE EAST LINE OF SECTION 2, BLOCK 24, UNIVERSITY LANDS SURVEY, PECOS COUNTY, TEXAS.

**WTC, INC.**

405 S.W. 1st Street  
 Andrews, TX 79714  
 (432) 523-2181  
 TEXAS REGISTERED ENGINEERING FIRM F-2746  
 TEXAS REGISTERED SURVEYOR FIRM #100792-00

PLAT: X:PROJECTS/OIL & GAS SURVEYS/FORGE ENERGY/AS-DRILLED/PLAT UL 24 VOYAGER 2H, PECOS CO. TADRAWINGS/52159-FORGE UL 24 VOYAGER 2H LAYOUT/TAB: TEXAS

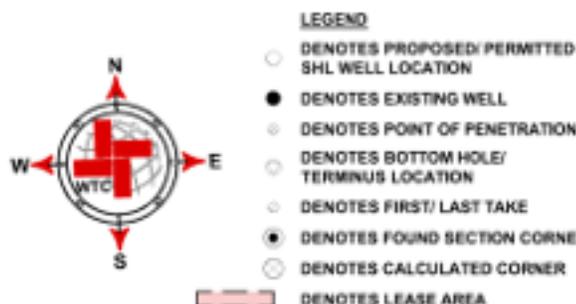
AS DRILLED PLAT  
SECTION 2, BLOCK 24, UNIVERSITY LANDS SURVEY, PECOS COUNTY, TX



SURFACE HOLE LOCATION	NAD 83, TXSP-C, N.(Y) = 10295337.8', E.(X) = 1574811.4' - LAT. = 30°53'28.45" N, LON. = 102°38'04.86" W
	NAD 27, TX-C, N.(Y) = 452763.3', E.(X) = 1278345.8' - LAT. = 30.8910819° N, LON. = 102.6342577° W
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**PRELIMINARY** 10/23/2017  
GREGORY W. SHOULTS RPLS #5358 DATE  
SURVEY DATE: N/A DRAFT:RS  
JOB NO.: WTC52159 SHEET:01 OF 01



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**W T C, INC.**  
405 S.W. 1st Street  
Andrews, TX 79714  
(432) 523-2181  
TEXAS REGISTERED ENGINEERING FIRM #1296  
TEXAS REGISTERED SURVEYOR #28819