

**RAILROAD COMMISSION OF TEXAS****Form W-2**

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

Status: Approved  
Date: 10/09/2017  
Tracking No.: 176951

**OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG****OPERATOR INFORMATION**

Operator Name: XTO ENERGY INC. Operator No.: 945936  
Operator Address: ATTN DEEANN KEMP 500 WEST ILLINOIS STE 100 MIDLAND, TX 79701-0000

**WELL INFORMATION**

API No.: 42-003-47446 County: ANDREWS  
Well No.: 7620 RRC District No.: 08  
Lease Name: FULLERTON CLEARFORK UNIT Field Name: FULLERTON  
RRC Lease No.: 01770 Field No.: 33230001  
Location: Section: 7, Block: 13, Survey: UL, Abstract:  
  
Latitude: 32.39662 Longitude: -102.81043  
This well is located 16.4 miles in a NORTHWEST  
direction from ANDREWS,  
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: 06/28/2017  
Type of Permit Date Permit No.  
Permit to Drill, Plug Back, or Deepen 12/28/2016 821059  
Rule 37 Exception  
Fluid Injection Permit  
O&G Waste Disposal Permit  
Other:

**COMPLETION INFORMATION**

Spud date: 05/14/2017 Date of first production after rig released: 06/28/2017  
Date plug back, deepening, recompletion, or drilling operation commenced: 05/14/2017 Date plug back, deepening, recompletion, or drilling operation ended: 05/20/2017  
Number of producing wells on this lease in this field (reservoir) including this well: 739 Distance to nearest well in lease & reservoir (ft.): 355.0  
Total number of acres in lease: 29541.59 Elevation (ft.): 3301 GR  
Total depth TVD (ft.): 7310 Total depth MD (ft.):  
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): 81.8  
Is Cementing Affidavit (Form W-15) attached? Yes  
Recompletion or reclass? No Multiple completion? No  
Type(s) of electric or other log(s) run: Other  
Electric Log Other Description: DUAL SPACED NEUTRON SPECTRAL DENSITY  
Location of well, relative to nearest lease boundaries Off Lease : No  
of lease on which this well is located: 9371.0 Feet from the South Line and  
13671.0 Feet from the West Line of the  
FULLERTON CLEARFORK UNIT 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.): 1550.0

Date: 08/14/2015

SWR 13 Exception

Depth (ft.):

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

Date of test: 07/11/2017

Production method: Pumping

Number of hours tested: 24

Choke size:

Was swab used during this test? No

Oil produced prior to test: 69.00

**PRODUCTION DURING TEST PERIOD:**

Oil (BBLs): 70.00

Gas (MCF): 65

Gas - Oil Ratio: 928

Flowing Tubing Pressure:

Water (BBLs): 928

**CALCULATED 24-HOUR RATE**

Oil (BBLs): 70.0

Gas (MCF): 65

Oil Gravity - API - 60.: 39.4

Casing Pressure:

Water (BBLs): 928

**CASING RECORD**

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	8 5/8	11	1722			ECONOCE M/PREM PLUS	560	1032.0	0	Circulated to Surface
2	Conventional Production	5 1/2	7 7/8	7310			C	1450	2979.0	0	Circulated to Surface

**LINER RECORD**

Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
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N/A

**TUBING RECORD**

Row	Size (in.)	Depth (ft.)	Packer Depth (ft.) / Type
1	2 7/8	6648	/

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

Row	Open hole?	From (ft.)	To (ft.)
1	No	L 6641	6727.0
2	No	L 6812	7021.0
3	No	L 7058	7218.0

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 4800

Actual maximum pressure (PSIG) during hydraulic fracturing: 3567

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	FRACFOCUS ON FILE	6641 7218

## FORMATION RECORD

Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
SANTA ROSA BASE	Yes	1469.0		Yes	
YATES	Yes	2866.0		Yes	
SEVEN RIVERS	Yes	3123.0		Yes	
QUEEN	Yes	3694.0		Yes	
GRAYBURG	Yes	4095.0		Yes	
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4398.0		Yes	
HOLT	No			No	NOT ENCOUNTERED
GLORIETA	Yes	5505.0		Yes	
TUBB	Yes	6469.0		Yes	
CLEARFORK	Yes	5678.0		Yes	
PERMIAN DETRITAL	No			No	NOT ENCOUNTERED
LEON	No			No	NOT ENCOUNTERED
WICHITA ALBANY	Yes	7016.0		Yes	
SPRABERRY	No			No	DEEPER THAN TD
DEAN	No			No	DEEPER THAN TD
WOLFCAMP	No			No	DEEPER THAN TD
CANYON	No			No	DEEPER THAN TD
PENNSYLVANIAN	No			No	DEEPER THAN TD
MCKEE	No			No	DEEPER THAN TD
STRAWN	No			No	DEEPER THAN TD
FUSSELMAN	No			No	DEEPER THAN TD
DEVONIAN	No			No	DEEPER THAN TD
SILURIAN	No			No	DEEPER THAN TD
ELLENBURGER	No			No	DEEPER THAN TD

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? Yes

Is the completion being downhole commingled (SWR 10)? No

## REMARKS

THIS IS AN INITIAL POTENTIAL/NEW VERTICAL WELL COMPLETION

**RRC REMARKS****PUBLIC COMMENTS:****CASING RECORD :****TUBING RECORD:****PRODUCING/INJECTION/DISPOSAL INTERVAL :****ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :****POTENTIAL TEST DATA:****OPERATOR'S CERTIFICATION****Printed Name:** Tessa Fitzhugh**Title:** Regulatory Analyst**Telephone No.:** (432) 620-4336**Date Certified:** 07/22/2017



# 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: XTO ENERGY INC-EBUS	Operator P-S No.: 4469310
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-S No.: 347151

WELL INFORMATION	
District No.: 08	County: ANDREWS
Well No.: 7630	API No.: 4200347446
Lease Name: FULLERTON CLEARFORK UNIT	Drilling Permit No.:
Field Name: Fullerton	Lease No.: 01770
	Field No.: 33280001

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.): 11	Depth of drilled hole (ft.): 1722	Est. % wash-out or hole enlargement: 20%			
Size of casing in O.D. (in.): 8 5/8	Casing weight (lbs/ft) and grade: 24	No. of centralizers used: 11			
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.		Setting depth shoe (ft.): 1722	Top of liner (ft.):		
		Setting depth liner (ft.):		Cementing date: 5/14/2017	
Hrs. waiting on cement before drill-out: 14	Calculated top of cement (ft.):				
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	365	ECONOCEM	REMARKS	769.79	3024.28
2	195	PREMIUM PLUS	REMARKS	263.06	1037.53
3				1032.85	4061.81
Total	560				

II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:			
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:			
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper:	Lower:	Upper:	Lower:		
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO		Setting depth shoe (ft.):			
Hrs. waiting on cement before drill-out:		Cementing date:			
Calculated top of cement (ft.):					
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

III. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:			
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:			
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper:	Lower:	Upper:	Lower:		
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO		Setting depth tool (ft.):			
Hrs. waiting on cement before drill-out:		Cementing date:			
Calculated top of cement (ft.):					
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							
<small>1ST SLURRY: ECONOMIZER WITH 2% ECONOMIZER, 5.0% SALT, 3.0% KOL SOD, 4.0% SBR FOR C-CLARE  2ND SLURRY: FREEMAN PLUG WITH 1% CALCEIN LUBRICATOR, 5.0% SBR FOR C-CLARE  CIRCULATED TO SURFACE  SOL 070003161</small>							

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.

**ALEXANDER RAMOS SSIII**

Name and title of cementer's representative  
1301 W. Webb St.

Halliburton  
Cementing Company  
Brownfield, Tx, 79316

*[Signature]*  
Signature

575-392-0700

5/14/2017

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.

*Tessa Fitzhugh*  
Typed or printed name of operator's representative

Title

Signature

500 W. Illinois, Ste 100 Midland, TX 79701

432-620-4336

8-31-2017

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.

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P.O. Box 12967  
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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: XTO ENERGY INC-IBUS			Operator P-5 No.: 9459310		
Cementer Name: HALLIBURTON			Cementer P-5 No.: 347151		
WELL INFORMATION					
District No.: 08			County: ANDREWS		
Well No.: 7620			API No.: 4200347446		
Lease Name: FULLERTON CLEARFORK UNIT			Lease No.: 01770		
Field Name: Fullerton			Field No.: 33230001		
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.): 7 7/8		Depth of drilled hole (ft.): 7310		Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 5 1/2		Casing weight (lbs/ft) and grade: 17		No. of centralizers used: 52	
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.): 7310	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date: 05/19/2017	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	645	EconoCem™ C	0.25 lbm/lb API 5000 / 0.10 % Halodol®-122	1880	6700
2			5 lbm Microbore® / 0.1250 lbm Poly C-100		
3	805	VersaCem™ C	SEE REMARKS	1099	3900
Total	1450			2979	10600
II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper:		Lower:		Upper:	
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:		Lower:		Upper:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0
III. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper:		Lower:		Upper:	
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:		Lower:		Upper:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth tool (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

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

REMARKS
0.20 % CFR-3 Pre-Mix Dry / 1 lbm Salt Pre-Mix Dry / 0.30 % Halad(R)-344 Pre-Mix Dry / 5 lbm Microbond Pre-Mix Dry / 0.10 % HR-800 Pre-Mix Dry

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ALI ELKADRI/ SUPERVISOR

Halliburton

Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

05/19/2017

Address

City

State

Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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Tessa Fitzhugh

Log Analyst

Tessa Fitzhugh

Typed or printed name of operator's representative

Title

Signature

500 W. J. Linco. St. Odessa, TX 79701

432-620-4386

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).
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- 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 OIL AND GAS DIVISION

Form W-12

(1-1-71)

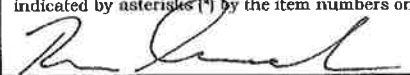
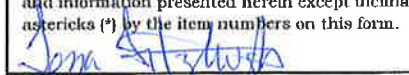
INCLINATION REPORT		6. RRC District
(One Copy Must Be Filed With Each Completion Report)		7. RRC Lease Number (Oil completions only)
1. FIELD NAME (as per RRC Records or Wildcat)	2. LEASE NAME	8. Well Number
Fullerton	Fullerton Clearfork Unit	7620
3. OPERATOR		9. RRC Identification Number (Gas completions only)
XTO Energy, Inc		10. County
4. ADDRESS		Andrews
500 W. Illinois, Ste 100 Midland TX 79701		
5. LOCATION (Section, Block and Survey)		
Sec 7, Bk 13, VL		

## RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per (Hundred Feet (Sine of Angle X 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
230	2.30	0.80	1.40	3.21	3.21
470	2.40	0.70	1.22	2.93	6.14
931	4.61	0.30	0.52	2.41	8.56
1405	4.74	0.10	0.17	0.83	9.38
1710	3.05	0.30	0.52	1.60	10.98
1866	1.56	0.30	0.52	0.82	11.80
2024	1.58	0.80	1.40	2.21	14.00
2183	1.59	0.40	0.70	1.11	15.11
2340	1.57	0.80	1.40	2.19	17.31
2498	1.58	1.10	1.92	3.03	20.34
2656	1.58	1.60	2.79	4.41	24.75
2815	1.59	1.90	3.32	5.27	30.02
3068	2.53	1.00	1.75	4.42	34.44
3194	1.26	1.30	2.27	2.86	37.30
3321	1.27	1.30	2.27	2.88	40.18
3447	1.26	0.80	1.40	1.76	41.94

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☒ yes ☐ no
18. Accumulative total displacement of well bore at total depth of 7,267.00 feet = 78.27 feet.
- \*19. Inclination measurements were made in ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line 9371 feet.
21. Minimum distance to lease line as prescribed by field rules 330 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? no
- (If the answer to above question is "yes," attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION	OPERATOR CERTIFICATION
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both side of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.	I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data is presented on both sides of this forms are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.
	
Signature of Authorized Representative	Signature of Authorized Representative
RON SCANDOLARI, VP CONTRACT DRILLING	Operator
Name of Person and Title (type or print)	Name of Person and Title (type or print)
BASIC ENERGY SERVICES	XTO Energy, Inc.
Name of Company	Operator
Telephone: 432 563-2106	Telephone: 432 1020 4336
Area Code	Area Code

Railroad Commission Use Only:

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* Designates items certified by company that conducted the inclination surveys.

### RECORD OF INCLINATION (Continued from reverse side)

[illegible]

If additional space is needed, attach separate sheet and check here. ☐

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re - entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

Tracking No.: 176951

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: XTO ENERGY INC.	District No. 08	Completion Date: 06/28/2017
Field Name FULLERTON	Drilling Permit No. 821059	
Lease Name FULLERTON CLEARFORK UNIT	Lease/ID No. 01770	Well No. 7620
County ANDREWS	API No. 42- 003-47446	

## 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). \_\_\_\_\_

Tessa Fitzhugh

Signature

XTO ENERGY INC.

Name (print)

Regulatory Analyst

Title

(432) 620-4336

Phone

07/22/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-

# HALLIBURTON

## DUAL SPACED NEUTRON SPECTRAL DENSITY

<b>COMPANY</b> XTO ENERGY INC. <b>WELL</b> FULLERTON CLEARFORK UNIT #7620 <b>FIELD/BLOCK</b> FULLERTON CLEARFORK UNIT <b>COUNTY</b> ANDREWS <b>STATE</b> TEXAS		<b>COMPANY</b> XTO ENERGY INC.	
		<b>WELL</b> FULLERTON CLEARFORK UNIT #7620	
		<b>FIELD/BLOCK</b> FULLERTON CLEARFORK UNIT	
		<b>COUNTY</b> ANDREWS <b>STATE</b> TEXAS	
<b>API No.</b> 42-003-47446 <b>Location</b> 2557' FNL & 2237' FEL SECTION 7, BLOCK 13 UL SURVEY		<b>Other Services:</b> DLT	
<b>Permanent Datum</b> <b>Log measured from</b> <b>Drilling measured from</b>		Elev. 3301.0 ft 13.0 ft above perm. Datum Elev. K.B. 3314.0 ft D.F. 3313.0 ft C.I. 3301.0 ft	
<b>Date</b> 19-May-17			
<b>Run No.</b> ONE			
<b>Depth - Driller</b> 7310.0 ft			
<b>Depth - Logger</b> 7301.0 ft			
<b>Bottom - Logged Interval</b> 7247.0 ft			
<b>Top - Logger Interval</b> 200.0 ft			
<b>Casing - Driller</b> 8.625 in @ 1722.0 ft		@	
<b>Casing - Logger</b> 1719.0 ft			
<b>Bit Size</b> 7.875 in		@	
<b>Type Fluid in Hole</b> Brine			
<b>Density</b>	<b>Viscosity</b>	10.2 ppg	30.00 cSt
<b>pH</b>	<b>Fluid Loss</b>	11.00 pH	20.0 cc/hr
<b>Source of Sample</b> FLOWLINE			
<b>Rm @ Meas. Temperature</b>	0.03 ohmm @ 95.50 degF	@	@
<b>Rmf @ Meas. Temperature</b>	0.02 ohmm @ 95.50 degF	@	@
<b>Rmc @ Meas. Temperature</b>	0.04 ohmm @ 95.50 degF	@	@
<b>Source Rm/</b>	MFAS	<b>Rmc</b>	MFAS
<b>Rm @ BHT</b>	0.02 ohmm @ 131.5 degF	@	@
<b>Time Since Circulation</b> 10:21 hr			
<b>Time on Bottom</b> 19-May-17 02:21			
<b>Max. Rec. Temperature</b> 131.50 degF @ 7301.0 ft		@	
<b>Equipment</b>	<b>Location</b>	12128583	ODESSA, TX
<b>Recorded By</b> BRIAN SHAVER			
<b>Witnessed By</b> RICHARD BESSE			



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 Exxon Mobil Corporation		2. Operator Number (See Instruction 13) 257128		3. RRC Dist. 08	
4. Street or P.O. Box No. P.O. Box 4358		5. City Houston		6. State TX	
7. Zip Code 77210		8. Name of Lease, Facility or Operation Robertson Clearfork Unit		9. Field or Area Name Fullerton	
10. County Andrews		11. General Operation Type - Circle One: <input checked="" type="radio"/> A - Oil Field Production <input type="radio"/> B - Gas Field Production <input type="radio"/> C - Pipeline or Gathering Sys. <input type="radio"/> D - Gasoline Plant <input type="radio"/> E - Drilling or Workover <input type="radio"/> F - Sweetening Unit <input type="radio"/> G - Combination (explain) <input type="radio"/> H - Other (explain)		Other Explanation	
12. RRC ID# of Operation(s) to be Covered by This Certificate 01770		Type ID Code (See Instruction 12) 1		Indicate if Filing for Storage Facility Only YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
13. Hydrogen Sulfide Concentration 11,267 PPM		14. Maximum Escape Volume 300 MCF/Day		15. 100 PPM Radius of Exposure (ROE) 216 Ft.	
16. 500 PPM Radius of Exposure (ROE) 99 Ft.		17. Operation is Existing <input checked="" type="checkbox"/> New <input type="checkbox"/>		18. Modification Resulting in Certificate Change Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
19. Workover or Drilling Well with 100 PPM ROE Greater than 3000' feet on Rule 36 Certified Well/Lease Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		20. Previous Certificate Number if Available (For Amended Certificates) 003476		21. The 100 PPM ROE includes any part of a public area except a public road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
22. The 500 PPM ROE includes any part of a public road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		23. Injection of fluid containing Hydrogen Sulfide (See Instruction 14) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		24. Date (or Depth) of Compliance with all applicable provisions of Rule 36 03/02/2009 Mo Day Year	
25. Contingency Plan Location of Plan (See Instruction 15) No Contingency Plan required.		RECEIVED RRC OF TEXAS MAR 05 2009 O&G MIDLAND		Has been prepared Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
26. Location of data used to prepare this certificate (See Instruction 15) 6810 NW 8000 Andrews, Texas 79714		CERTIFICATE		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.	
Representative of Company Dw Parks		Title Operations Compliance Specialist		Phone No. (432) 634-8109	
Date 03/02/09		Date		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: Mark A. Spence

DATE: MAR 12 2009

REMARKS:

CERTIFICATION NUMBER: 060888

Permitting

MAR 19 2009

Clear Form



January 20, 2012

REC'D/MIDLAND

FEB 03 2012

RECEIVED  
RRC OF TEXAS

JAN 27 2012

OIL & GASFIELD OPERATIONS  
AUTHORITY

JAN 20 2012

9:16  
AM '12

Approved  
Mark Spannaus  
1-25-2012

Completed 1/30/2011

Kim Dally

Mark Spannaus  
Railroad Commission of Texas  
Conoco Towers  
10 Desta Drive, Suite 500E  
Midland, TX 79705

Re: Change of Operator on H-9 Certificates

Dear Mark,

We are requesting the change of operator from Exxon Mobil Corporation, Operator No. 257128, to XTO Energy Inc., Operator No. 945936, on the attached list of H-9 certificates.

This letter will also serve to certify the H-9 certificates have analyses that are less than 5 years old. In that time, we show no significant changes in the volume or concentration in the ROE which would include any public areas or roads.

If you have any questions, please contact the undersigned.

Sincerely,

Al Mayfield  
Superintendent  
432-266-0469

Richard Lewis  
Superintendent  
432-488-6862

Attachment

945936

District	Field Name	H-9 Certificate No.	Lease Numbers	Facilities	Approval Date
08	Block 16 (Montoya)	063269 ✓	250696 245711	Pyote Gas Unit No. 2 Pyote Gas Unit No. 13	10/15/2009
J8	Deep Rock (Devonian)	060886 ✓	25377	King, Georgia B.	3/12/2009
08	Deep Rock (Glorieta 5950)	060885 ✓	33898 14608	Deep Rock Glorieta Unit Ogden, Belle, -A-	3/12/2009
08	Evetts (Pennsylvanian)	065105 ✓	256356 074251 083298 134824 142304 179198	Haley Unit 8 Haley Unit Haley Unit Haley Unit Athey, Charles B. Haley Unit	JAN 20 2010 2010
08	Evetts (Silurian)	063775 ✓	31603 25439	Haley Unit -34- Haley, John, Jr. -C-	1/5/2010
08	Evetts (Silurian)	065106 ✓	181387 050227	Haley 18 Haley Unit	10/1/2010
08	Fuhrman (Glorieta)	060896 ✓	34056	Walker, B S	3/12/2009
08	Fuhrman-Mascho	060895 ✓	21064	Walker, B S	3/12/2009
08	Fuhrman-Mascho (Devonian)	060894 ✓	10080	Walker, B S	3/12/2009
08	Fullerton	060888 ✓	01770 40432	Fullerton Clearfork Unit Logsdon C W	3/12/2009
08	Fullerton (Devonian)	060887 ✓	32000 31066 31514 31909	State University -GB- Wilson -B- Wilson, H.M. -A- State University -GA-	3/12/2009
08	Fullerton (Ellenburger)	060890 ✓	29851	H. M. Wilson -A-	3/12/2009
08	Fullerton (San Andres)	060892 ✓	30331	Wilson -A-, H.M.	3/12/2009
08	Fullerton (Wolfcamp)	060891 ✓	35925	Logsdon C W	3/12/2009
08	Fullerton, West (Grayburg)	060893 ✓	102992	Wilson, H.M. -A-	3/12/2009
08	Martin (Consolidated)	060784 ✓	36494 36480	Parker, J. E. Parker, J. E. A/C 3A	2/27/2009
08	Martin (Ellenburger)	060781 ✓	04073	Parker, J. E.	2/27/2009
08	Martin (McKee)	060783 ✓	32099 04080 32094	Parker, J. E. A/C 3 "A" Parker, J. E. Parker, J. E. A/C 1 "A"	2/27/2009
08	Martin (Second Simpson SD.)	060779 ✓	29399	Parker, J. E.	2/27/2009
18	Means	065958 ✓	17503	Means/San Andres/Unit	3/22/2011
08	Robertson, N. (Clear Fork 7100)	060889 ✓	60580	Robertson/Clearfork/Unit	3/12/2009
08	Robertson, N. (Devonian)	060521 ✓	68630	Exxon Fee "B"	1/30/2009

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

Date: 14 August 2015

GAU Number:

13499

Attention: XTO ENERGY INC.

ATTN TIMOTHY E WELCH

FORT WORTH, TX 76102

P-5#: 945936

API Number:

County:

ANDREWS

Lease Name:

FULLERTON CLEARFORK UNIT

RRC Lease Number:

01770

Well Number:

7820

Total Vertical Depth:

7450

Latitude:

32.389696

Longitude:

-102.807232

Datum:

NAD27

Purpose: New Drill

Location: Survey-UL; Block-13; Section-7

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 250 feet, and the zone from 1100 to 1550 feet must be protected.

This recommendation is applicable for all wells drilled in this Section 7 on this lease.

This determination is based on information provided when the application was submitted on 08/14/2015. 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](mailto:gau@rrc.texas.gov).

Groundwater Advisory Unit, Oil and Gas Division

Form GW-2

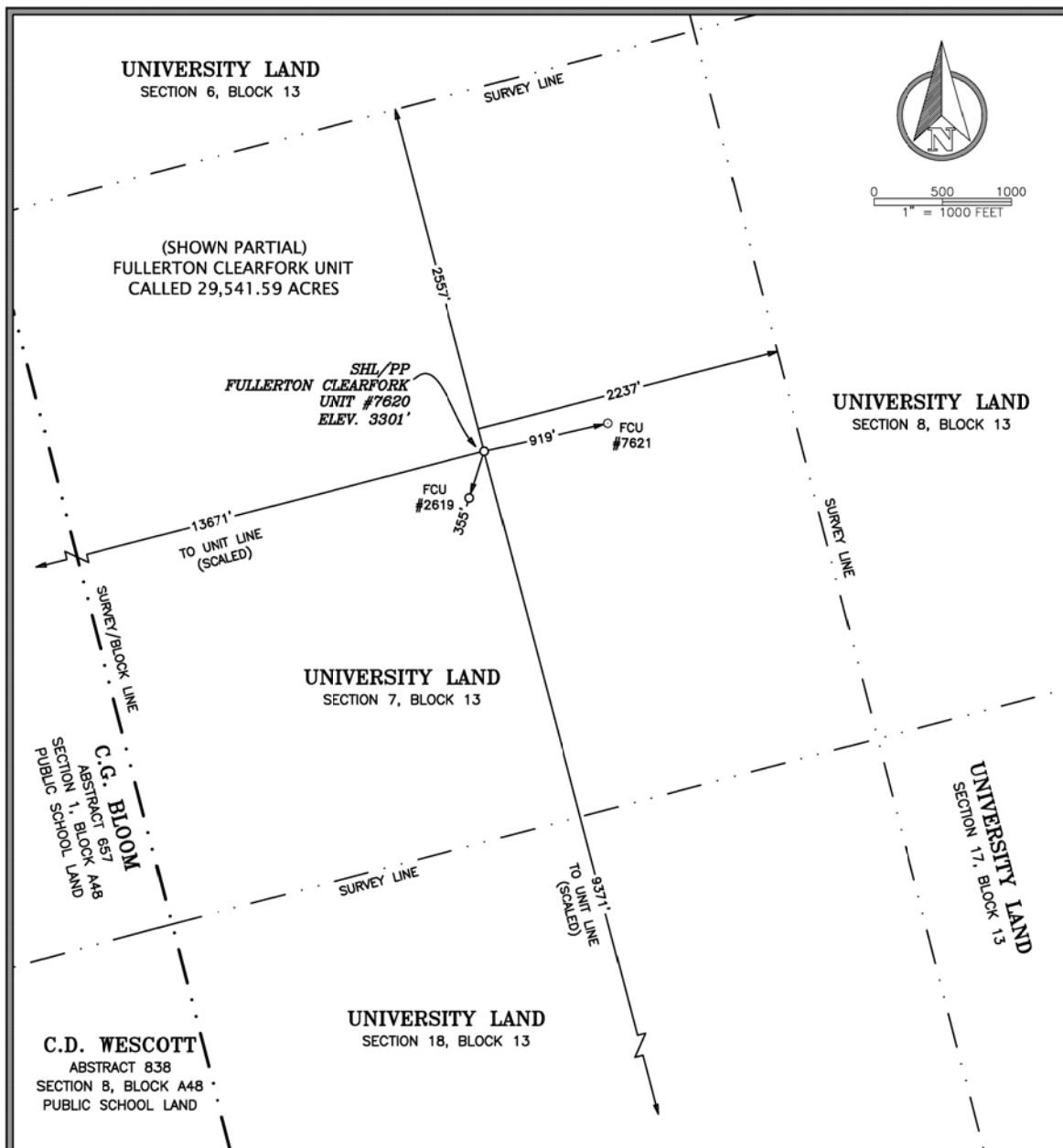
P.O. Box 12967 Austin, Texas 78771-2967

512-463- 2741

Rev. 02/2014

Internet address: [www.rrc.texas.gov](http://www.rrc.texas.gov)





0 500 1000  
1" = 1000 FEET

#### GENERAL NOTES

- COORDINATES SHOWN ARE BASED ON TEXAS PLANE COORDINATE SYSTEM OF NAD 27, TEXAS CENTRAL ZONE, 4203.
- VERTICAL DATUM IS NAVD 88.
- LATITUDE AND LONGITUDE ARE NAD 27 AS SHOWN.
- AREA, DISTANCES, AND COORDINATES ARE "GRID".
- UNITS ARE UNITED STATES SURVEY FOOT.
- ALL LEASE AND TRACT INFORMATION SHOWN HERE ON IS DONE SO BY LIMITED DEED RECORD INFORMATION ONLY. ALL ACRES SHOWN ARE BY DEED AND LEASE CALL, EXCEPT WHERE NOTED. THIS IS NOT IN ANY WAY A "BOUNDARY SURVEY".

#### DRIVING DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF MAIN ST. AND BROADWAY ST. IN ANDREWS HEAD WEST ON BROADWAY ST. APPROX. 1.1 MILES. TAKE SLIGHT RIGHT ON RANCH ROAD 87 AND GO APPROX. 15.0 MILES. TURN RIGHT ON NW 7001 AND GO APPROX. 2.2 MILES. TURN RIGHT ON LEASE ROAD AND GO APPROX. 0.6 MILES. TURN RIGHT ON LEASE ROAD AND GO APPROX. 0.2 MILES AND ARRIVE AT THE LOCATION APPROX. 710' ON THE RIGHT.

#### WELL LOCATION INFORMATION:

SURFACE HOLE LOCATION/PP:  
NAD 83, TEXAS CENTRAL ZONE COORD'S  
Y = 10,844,085.15, X = 1,531,789.31  
LAT: N 32.39685°, LONG: W 102.81078°  
SHL: 2,557' FNL & 2,237' FEL  
SHL: 9,371' FSLL & 13,671' FWLL

NAD 27, TEXAS CENTRAL ZONE COORD'S  
Y = 1,001,508.54, X = 1,235,329.53  
LAT: N 32.39674°, LONG: W 102.81032°

#### FOR RRC PURPOSES ONLY:

NAD 27, TEXAS NORTH CENTRAL ZONE COORD'S  
Y = 307,020.23, X = 361,608.17  
LAT: N 32.39674°, LONG: W 102.81032°

I HEREBY STATE THAT THIS PLAT  
SHOWS THE SUBJECT SURFACE  
LOCATION AS STAKED ON THE GROUND.

*[Signature]*

MARK DILLON HARP  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF TEXAS NO. 6445



#### PLAT OF:

A PROPOSED WELL LOCATION FOR:

**XTO ENERGY INC.**

**FULLERTON CLEARFORK UNIT #7620**

SITUATED IN UNIVERSITY LAND SURVEY, SECTION 7,  
BLOCK 13, LOCATED 16.4 MILES NORTHWEST OF  
ANDREWS, IN ANDREWS COUNTY, TEXAS



550 Bailey Ave., 205 - Fort Worth, TX 76107  
Ph: 817.349.9800 - Fax: 979.732.5271  
TBPE Firm 17957 | TBPLS Firm 10193887  
www.fscinc.net

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DATE: 9-8-2016  
DRAWN BY: AJ  
CHECKED BY: DH  
FIELD CREW: MC&MR  
PROJECT NO: 2016080720  
SCALE: 1" = 1000'  
SHEET: 1 OF 1  
REVISION: NO