RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 08/25/2017
Tracking No.: 175897

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.: 42-003-47442 **County:** ANDREWS
Well No.: 8016 **RRC District No.:** 08
Lease Name: FULLERTON CLEARFORK UNIT **Field Name:** FULLERTON
RRC Lease No.: 01770 **Field No.:** 33230001
Location: Section: 18, Block: 13, Survey: UL, Abstract:

Latitude: 32.38031 **Longitude:** -102.81319
This well is located 16.2 **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:** 06/08/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	12/28/2016	821055
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 04/24/2017 **Date of first production after rig released:** 06/08/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 04/24/2017 **Date plug back, deepening, recompletion, or drilling operation ended:** 04/29/2017
Number of producing wells on this lease in this field (reservoir) including this well: 732 **Distance to nearest well in lease & reservoir (ft.):** 11244.0
Total number of acres in lease: 29541.59 **Elevation (ft.):** 3299 GR
Total depth TVD (ft.): 7371 **Total depth MD (ft.):**
Plug back depth TVD (ft.): 7323 **Plug back depth MD (ft.):**
Was directional survey made other than inclination (Form W-12)? Yes **Rotation time within surface casing (hours):** 62.5
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No **Multiple completion?** No
Type(s) of electric or other log(s) run: Other
Electric Log Other Description: RCBL/GR/CCL
Location of well, relative to nearest lease boundaries of lease on which this well is located: 22380.0 **Feet from the** South **Line and** 11244.0 **Feet from the** East **Line of the** FULLERTON CLEARFORK UNIT **Lease.** **Off Lease :** No

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: 06/26/2017 **Production method:** Pumping

Number of hours tested: 24 **Choke size:**

Was swab used during this test? No **Oil produced prior to test:** 546.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): 194.00 **Gas (MCF):** 160

Gas - Oil Ratio: 824 **Flowing Tubing Pressure:**

Water (BBLS): 919

CALCULATED 24-HOUR RATE

Oil (BBLS): 194.0 **Gas (MCF):** 160

Oil Gravity - API - 60.: 41.5 **Casing Pressure:**

Water (BBLS): 919

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Tool 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	8 5/8	11	1725			C	625	1143.0	0	Circulated to Surface
2	Conventional Production	5 1/2	7 7/8	7371			C	1470	3025.0	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

N/A

TUBING RECORD

Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	6727	/

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L 6704	6779.0
2	No	L 6821	6951.0

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

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 5000

Actual maximum pressure (PSIG) during hydraulic fracturing: 6050

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	6704	6951

FORMATION RECORD

Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
WICHITA ALBANY	Yes	1486.0		Yes	
YATES	Yes	2891.0		Yes	
SEVEN RIVERS	Yes	3151.0		Yes	
QUEEN	Yes	3756.0		Yes	
GRAYBURG	Yes	4127.0		Yes	
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4410.0		Yes	
HOLT	No			No	NOT ENCOUNTERED
GLORIETA	Yes	5527.0		Yes	
TUBB	Yes	6535.0		Yes	
CLEARFORK	Yes	6649.0		Yes	
PERMIAN DETRITAL	No			No	NOT ENCOUNTERED
LEON	No			No	NOT ENCOUNTERED
WICHITA ALBANY	Yes	7031.0		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 A 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:** 08/25/2017

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 EBUSINESS	Operator P-5 No.: 945936
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 08	County: ANDREWS
Well No.: 8016	API No.: 42-003-41442 / Drilling Permit No.:
Lease Name: FULLERTON CLEARFORK UNIT	Lease No.: 07120
Field Name: Fullerton	Field No.: 33230001

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☑ Surface ☐ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.): 11	Depth of drilled hole (ft.): 1725	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? ☑ YES ☐ NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 1725	Top of liner (ft.): / Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 13	Calculated top of cement (ft.):	Cementing date: 4/25/2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	395	ECONOCEM HLC	SEE REMARKS	833	580
2	230	HALCEM C	.25 LB POLY-E-FLAKE, 1 % CC	310	1148
3					
Total	625			1143	1728

II. CASING CEMENTING DATA

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

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) 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? ☐ YES ☐ 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: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) 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? ☐ YES ☐ NO		Setting depth tool (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

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

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

REMARKS

SO # 903991813 100 BBL = 266 SKS LEAD CEMENT BACK TO SURFACE
LEAD ADDITIVES = 1 % ECONOLITE, 5 LB SALT, 3 LB KOL SEAL, .25 LB POLY-E-FLAKE

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.

JAMES HEIDT / SERVICE SUPERVISOR	Halliburton		
Name and title of cementer's representative	Cementing Company	Signature	
1301 W. Webb St.	Brownfield, Tx, 79316	575-392-0700	4/25/2017
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 Pechacek	Reg Analyst		
Typed or printed name of operator's representative	Title	Signature	
600 W. Illinois, Ste 100	Midland TX 79701	432 620 4336	5-25-2017
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.

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). 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: XTO ENERGY INC EBUSINESS	**Operator P-5 No.:** 945936
Cementer Name: HALLIBURTON ENERGY SERVICES	**Cementer P-5 No.:** 347151

WELL INFORMATION

District No.: 08	**County:** ANDREWS
Well No.: 8016	**API No.:** 42-003-41442 **Drilling Permit No.:**
Lease Name: FULLERTON CLEARFORK UNIT	**Lease No.:** 01710
Field Name: Fullerton	**Field No.:** 33230001

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☑ Production

Drilled hole size (in.): 7 7/8	**Depth of drilled hole (ft.):** 7371	**Est. % wash-out or hole enlargement:** 20%
Size of casing in O.D. (in.): 5 1/2	**Casing weight (lbs/ft) and grade:**	**No. of centralizers used:** 63
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☑ YES ☐ NO If no for surface casing, explain in Remarks.	**Setting depth shoe (ft.):** 7371	**Top of liner (ft.):** / **Setting depth liner (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:** 04-29-2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	645	C	[illegible]	1898	10953
2	825	C	[illegible]	1127	6514
3					
Total	1470			3025	17467

II. CASING CEMENTING DATA

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

Drilled hole size (in.):	**Depth of drilled hole (ft.):**	**Est. % wash-out or hole enlargement:**
Size of casing in O.D. (in.):	**Casing weight (lbs/ft) and grade:**	**No. of centralizers used:**
Tapered string drilled hole size (in.) 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? ☐ YES ☐ 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: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings

Drilled hole size (in.):	**Depth of drilled hole (ft.):**	**Est. % wash-out or hole enlargement:**
Size of casing in O.D. (in.):	**Casing weight (lbs/ft) and grade:**	**No. of centralizers used:**
Tapered string drilled hole size (in.) 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? ☐ YES ☐ NO		**Setting depth tool (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

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

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

REMARKS

SO# 0903996083 CIRCULATED 170 BBLS 324 SACKS TO PIT

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STEVEN TOMS-SERVICE SUPERVISOR II	Halliburton			
Name and title of cementer's representative	Cementing Company	Signature		
1301 W. Webb St.	Brownfield, Tx, 79316	575-392	0700	04-29-2017
Address	City, State, Zip Code	Tel: Area Code	Number	Date: mo. day yr.

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Tessa Fitzhugh	Reg. Analyst			
Typed or printed name of operator's representative	Title	Signature		
500 W. Illinois, Ste 100	Midland TX 79701	432 620	4336	5.25.2017
Address	City, State, Zip Code	Tel: Area Code	Number	Date: mo. day yr.

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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
OIL AND GAS DIVISION

Form W-12
(1-1-71)

INCLINATION REPORT
(One Copy Must Be Filed With Each Completion Report)

1. FIELD NAME (as per RRC Records or Wildcat): Fullerton	2. LEASE NAME: Fullerton Clearfork
3. OPERATOR: **XTO Energy, Inc**	
4. ADDRESS: 500 W. Illinois, Ste 100 Midland TX 79701	
5. LOCATION (Section, Block and Survey): Sec 18, Blk 13, PSL	

6. RRC District: 08	
7. RRC Lease Number (Oil completions only): 01770	
8. Well Number: **8016**	
9. RRC Identification Number (Gas completions only)	
10. County: **Andrews**	

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)
701	7.01	0.50	0.87	6.12	6.12
1200	4.99	0.20	0.35	1.74	7.86
1698	4.98	0.20	0.35	1.74	9.60
1721	0.23	0.30	0.52	0.12	9.72
1862	1.41	0.50	0.87	1.23	10.95
2051	1.89	0.50	0.87	1.65	12.60
2240	1.89	0.50	0.87	1.65	14.25
2429	1.89	1.50	2.62	4.95	19.19
2556	1.27	1.00	1.75	2.22	21.41
2715	1.59	1.30	2.27	3.61	25.02
2877	1.62	1.60	2.79	4.52	29.54
3035	1.58	1.10	1.92	3.03	32.57
3193	1.58	0.80	1.40	2.21	34.78
3383	1.90	0.90	1.57	2.98	37.77
3572	1.89	0.60	1.05	1.98	39.74
3914	3.42	0.80	1.40	4.78	44.52

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 7,333 feet = 67.80 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 22380 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

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authroized 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.

Signature of Authorized Representative

RON SCANDOLARI, VP CONTRACT DRILLING

Name of Person and Title (type or print)

BASIC ENERGY SERVICES

Name of Company

Telephone: **432** - **563-2106**
Area Code

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 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 astericks (*) by the item numbers on this form.

Signature of Authorized Representative

Tessa Fitzhugh, Reg Analyst

Name of Person and Title (type or print)

XTO Energy, Inc.

Operator

Telephone: 432 - 620-4336
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)

*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)
4357	4.43	0.30	0.52	2.32	46.84
4799	4.42	0.40	0.70	3.09	49.92
5278	4.79	0.20	0.35	1.67	51.60
5750	4.72	0.10	0.17	0.82	52.42
6190	4.40	0.50	0.87	3.84	56.26
6693	5.03	0.90	1.57	7.90	64.16
7167	4.74	0.30	0.52	2.48	66.64
7333	1.66	0.40	0.70	1.16	67.80
	-73.33				

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.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG STATUS REPORT

FORM L-1

Tracking No.: 175897

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: 06/08/2017
Field Name FULLERTON	Drilling Permit No. 821055	
Lease Name FULLERTON CLEARFORK UNIT	Lease/ID No. 01770	Well No. 8016
County ANDREWS	API No. **42-** 003-47442	

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	Regulatory Analyst Title
XTO ENERGY INC. Name (print)	(432) 620-4336 Phone 06/28/2017 Date

-FOR RAILROAD COMMISSION USE ONLY-

RADIAL CEMENT BOND GAMMA RAY/CCL LOG

RENEGADE SERVICES

Company XTO Energy Inc.

Well Fullerton Clearfork Unit No. 8016

Field Fupllerton Clearfork Unit

County Andrews State Texas

Location: API # : 42-003-47442
2495' FSL & 654' FWL
Section 18, Block 13
Survey: UL
SEC TWP RGE

Other Services
Gyro

Permanent Datum	Ground Level	Elevation	3299'
Log Measured From	13 FT KB		
Drilling Measured From	Kelly Bushing		

Elevation
K.B. 3312'
D.F. 3311'
G.L. 3299'

Company XTO Energy Inc.
Well Fullerton Clearfork Unit No 8016
Field Fupllerton Clearfork Unit
County Andrews
State Texas

Date	5-3-17		
Run Number	One		
Depth Driller	7371'		
Depth Logger	7278'		
Bottom Logged Interval	7277'		
Top Log Interval	Surface		
Open Hole Size	7.875		
Type Fluid	Water		
Density / Viscosity	N/A		
Max. Recorded Temp.	133.00 degF		
Estimated Cement Top	Circ.		
Time Well Ready	ROA		
Time Logger on Bottom	9:00 AM		
Equipment Number	62		
Location	Snyder, Texas		
Recorded By	Chris Nicholson		
Witnessed By	Damaris Taylor		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625	22.00/J-55	Surface	1720'
Prot. String				
Production String	5.50	17.00/J-55	Surface	7371'
Liner				
Short Joint			5487'	5511'

CS

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.
Exxon Mobil Corporation	257128	08

4. Street or P. O. Box No.	5. City	6. State	7. Zip Code
P.O. Box 4358	Houston	TX	77210

8. Name of Lease, Facility or Operation	9. Field or Area Name	10. County
Robertson Clearfork Unit	Fullerton	Andrews

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
01770	1		✓

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 ☑ 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) 003476

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 03/02/~~19~~2009 (Mo / Day / Year)

Depth of Compliance for Drilling Operation _____ Ft. from Surface

25. Contingency Plan
Location of Plan (See Instruction 15)

No Contingency Plan required.

Has been prepared Yes ☐ No ☑

RECEIVED
RRC OF TEXAS
MAR 05 2009
O&G
MIDLAND

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.

DW Parkos	Operations Compliance Specialist	(432) 634-8109	03/02/09
Representative of Company	Title	Phone No.	Date

CS

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 D. Sommers DATE: MAR 12 2009

REMARKS: CERTIFICATION NUMBER: 060888

Permitting

MAR 19 2009

Clear Form

XTO ENERGY

RECEIVED
RRC OF TEXAS
JAN 27 2012
OIL & GAS FIELD OFFICE
MIDLAND, TX

JAN 20 2012

January 20, 2012

REC'D/MIDLAND
FEB 03 2012

Approved
Mark Spannaus
1-25-2012

Completed 1/30/2011
Kim Dailey

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

4145936

District	Field Name	H-9 Certificate No.	Lease Numbers	Facilities	Approval Date
08	Block 16 (Montoya)	063269 ✓	250696	Pyote Gas Unit No. 2	10/15/2009
			245711	Pyote Gas Unit No. 13	
08	Deep Rock (Devonian)	060886 ✓	25377	King, Georgia B.	3/12/2009
08	Deep Rock (Glorieta 5950)	060885 ✓	33898	Deep Rock Glorieta Unit	3/12/2009
			14608	Ogden, Belle, -A-	
08	Evetts (Pennsylvanian)	065105 ✓	256356	Haley Unit 8	1/4/2010
			074251	Haley Unit	
			083298	Haley Unit	
			134824	Haley Unit	
			142304	Athey, Charles B.	
			179198	Haley Unit	
08	Evetts (Silurian)	063775 ✓	31603	Haley Unit -34-	1/5/2010
			25439	Haley, John, Jr. -C-	
08	Evetts (Silurian)	065106 ✓	181387	Haley 18	10/1/2010
			050227	Haley Unit	
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	Fullerton Clearfork Unit	3/12/2009
			40432	Logsdon C W	
08	Fullerton (Devonian)	060887 ✓	32000	State University -GB-	3/12/2009
			31066	Wilson -B-	
			31514	Wilson, H.M. -A-	
			31909	State University -GA-	
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	Parker, J. E.	2/27/2009
			36480	Parker, J. E. A/C 3A	
08	Martin (Ellenburger)	060781 ✓	04073	Parker, J. E.	2/27/2009
08	Martin (McKee)	060783 ✓	32099	Parker, J. E. A/C 3 "A"	2/27/2009
			04080	Parker, J. E.	
			32094	Parker, J. E. A/C 1 "A"	
08	Martin (Second Simpson SD.)	060779 ✓	29399	Parker, J. E.	2/27/2009
08	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: 13517

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: 8020
Total Vertical Depth: 7450
Latitude: 32.382675
Longitude: -102.805205
Datum: NAD27

Purpose: New Drill

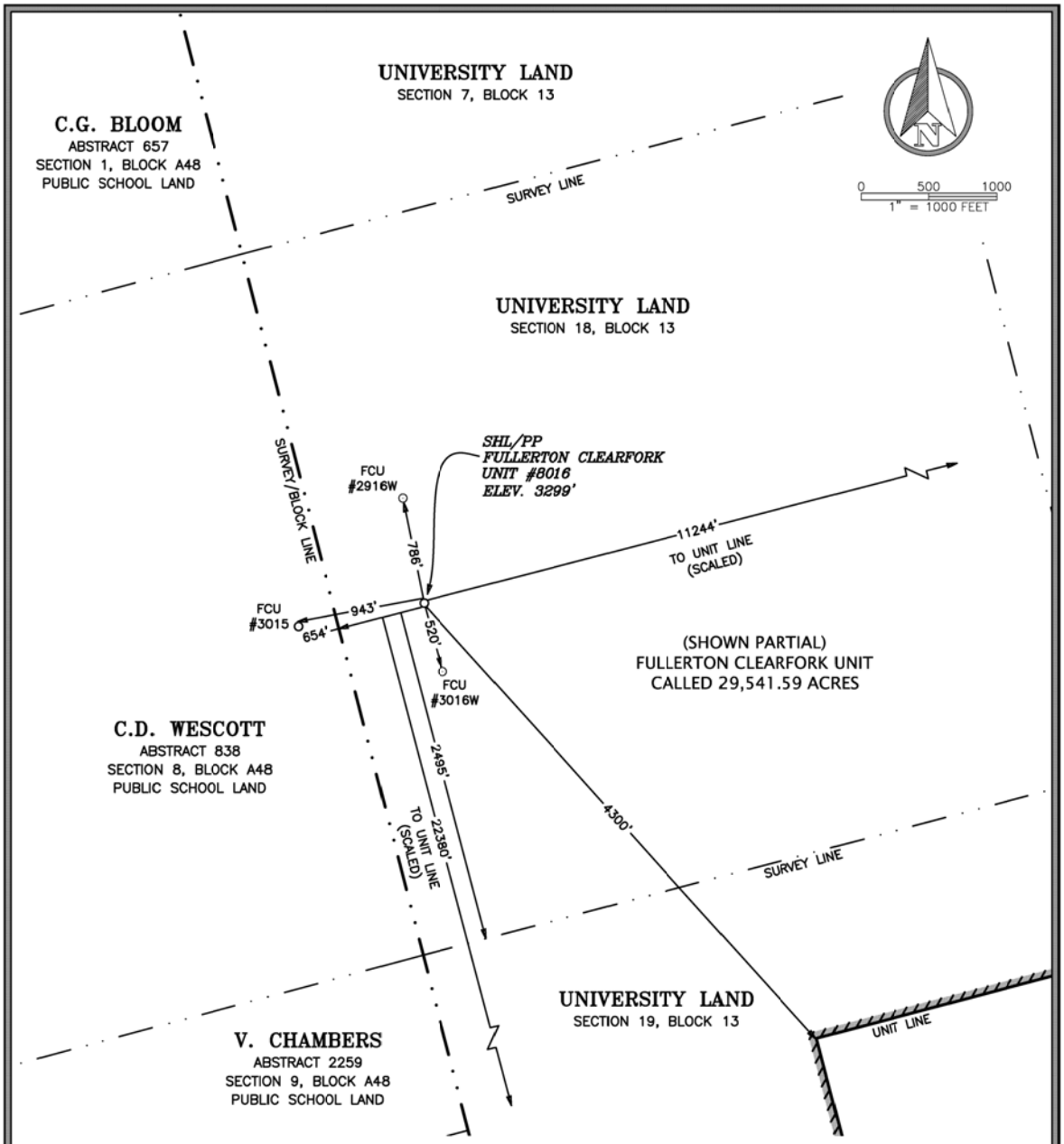
Location: Survey-UL; Block-13; Section-18

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 350 feet, and the zone from 1050 to 1550 feet must be protected.

This recommendation is applicable for all wells drilled in this Section 18 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.



GENERAL NOTES

1. COORDINATES SHOWN ARE BASED ON TEXAS PLANE COORDINATE SYSTEM OF NAD 27, TEXAS CENTRAL ZONE, 4203.
2. VERTICAL DATUM IS NAVD 88.
3. LATITUDE AND LONGITUDE ARE NAD 27 AS SHOWN.
4. AREA, DISTANCES, AND COORDINATES ARE "GRID".
5. UNITS ARE UNITED STATES SURVEY FOOT.
6. ALL LEASE AND TRACT INFORMATION SHOWN HERE ON IS DONE SO BY LIMITED DEED RECORD INFORMATION ONLY. ALL ACREAGES 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. 0.8 MILES AND ARRIVE AT THE LOCATION APPROX. 700' ON THE RIGHT.

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

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

STATE OF TEXAS
REGISTERED
MARK DILLON HARP
6445
PROFESSIONAL
LAND SURVEYOR

WELL LOCATION INFORMATION:

SURFACE HOLE LOCATION/PP:
NAD 83, TEXAS CENTRAL ZONE COORD'S
Y = 10,838,101.15, X = 1,530,861.56
LAT: N 32.38035°, LONG: W 102.81335°
SHL: 2,495' FSL & 654' FWL
SHL: 22,380' FSLL & 11,244' FELL
NAD 27, TEXAS CENTRAL ZONE COORD'S
Y = 995,524.73 , X = 1,234,401.56
LAT: N 32.38024°, LONG: W 102.81289°

FOR RRC PURPOSES ONLY:

NAD 27, TEXAS NORTH CENTRAL ZONE COORD'S
Y = 301,066.46, X = 360,511.62
LAT: N 32.38024°, LONG: W 102.81289°

PLAT OF:
A PROPOSED WELL LOCATION FOR:
XTO ENERGY INC.
FULLERTON CLEARFORK UNIT #8016

SITUATED IN UNIVERSITY LAND SURVEY, SECTION 18, BLOCK 13, LOCATED 16.2 MILES NORTHWEST OF ANDREWS, IN ANDREWS COUNTY, TEXAS

FSC INC
SURVEYORS+ENGINEERS
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

DATE:	8-26-2016
DRAWN BY:	AI
CHECKED BY:	DH
FIELD CREW:	MC&MR
PROJECT NO:	2016080642
SCALE:	1" = 1000'
SHEET:	1 OF 1
REVISION:	1