RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 07/13/2016
Tracking No.: 158121

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Operator XTO ENERGY INC. **Operator** 945936
Operator ATTN JAMES HALL 6401 HOLIDAY RD #5 MIDLAND, TX 79707-2156

WELL INFORMATION

API 42-003-47231 **County:** ANDREWS
Well No.: 8020 **RRC District** 08
Lease FULLERTON CLEARFORK UNIT **Field** FULLERTON
RRC Lease 01770 **Field No.:** 33230001
Location Section: 18, Block: 13, Survey: UL, Abstract:

Latitude 32.38268 **Longitud** -102.80520
This well is 15.8 **miles in a** NORTHWEST **direction from** ANDREWS, **which is the nearest town in the**

FILING INFORMATION

Purpose of Initial Potential
Type of New Well
Well Type: Producing **Completion or Recompletion** 06/21/2016

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or	08/21/2015	809495
Rule 37 Exception		
Fluid Injection		
O&G Waste Disposal		
Other:		

COMPLETION INFORMATION

Spud 05/05/2016 **Date of first production after rig** 06/21/2016
Date plug back, deepening, drilling operation 05/05/2016 **Date plug back, deepening, recompletion, drilling operation** 05/10/2016
Number of producing wells on this lease this field (reservoir) including this 697 **Distance to nearest well in lease & reservoir** 660.0
Total number of acres in 29541.59 **Elevation** 3289 GR
Total depth TVD 7403 **Total depth MD**
Plug back depth TVD **Plug back depth MD**
Was directional survey made other inclination (Form W- No **Rotation time within surface casing** 74.5
Is Cementing Affidavit (Form W-15) Yes
Recompletion or No **Multiple** No
Type(s) of electric or other log(s) Other
Electric Log Other Description: DUAL SPACED NEUTRON
Location of well, relative to nearest lease of lease on which this well is 2616.0 **Feet from the** North **Line and** 2108.0 **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	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**	1550.0	**Date**	08/14/2015
SWR 13 Exception		**Depth**			

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of	07/07/2016	**Production**	Pumping
Number of hours	24	**Choke**	
Was swab used during this	No	**Oil produced prior to**	0.00

PRODUCTION DURING TEST PERIOD:

Oil	70.00	**Gas**	56
Gas - Oil	800	**Flowing Tubing**	
Water	1535		

CALCULATED 24-HOUR RATE

Oil	70.0	**Gas**	56
Oil Gravity - API - 60.:	39.3	**Casing**	
Water	1535		

CASING RECORD

Ro	Type of Casing	Casing Size (in.)	Hole Size	Setting Depth	Multi - Stage Tool	Multi - Stage Shoe	Cement Class	Cement Amoun	Slurry Volume (cu.	Top of Cement (ft.)	TOC Determined By
1	Surface	8 5/8	11	1705			C	695	1217.0	0	Circulated to Surface
2	Conventional Production	5 1/2	7 7/8	7403			C	1505	2830.0	0	Circulated to Surface

LINER RECORD

Ro	Liner Size	Hole Size	Liner Top	Liner Bottom	Cement Class	Cement Amoun	Slurry Volume (cu.	Top of Cement (ft.)	TOC Determined

N/A

TUBING RECORD

Ro	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	6720	/

PRODUCING/INJECTION/DISPOSAL INTERVAL

Ro	Open hole?	From (ft.)	To (ft.)
1	No	L 6697	6781.0
2	No	L 6812	6983.0
3	No	L 7105	7240.0

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

Was hydraulic fracturing treatment Yes

Is well equipped with a downhole sleeve? No

If yes, actuation pressure

Production casing test pressure (PSIG) hydraulic fracturing 4800

Actual maximum pressure (PSIG) during fracturin 4952

Has the hydraulic fracturing fluid disclosure been Yes

Ro	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)	
1	Fracture	FRACFOCUS ON FILE	6697	7240

FORMATION RECORD

Formations	Encountere	Depth TVD	Depth MD	Is formation	Remarks
SANTA ROSA BASE	Yes	1462.0		Yes	
YATES	Yes	2874.0		Yes	
SEVEN RIVERS	Yes	3132.0		Yes	
QUEEN	Yes	3737.0		Yes	
GRAYBURG	Yes	4097.0		Yes	
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4403.0		Yes	
HOLT	No			No	NOT ENCOUNTERED
GLORIETA	Yes	5504.0		Yes	
TUBB	Yes	6497.0		Yes	
CLEARFORK	Yes	6624.0		Yes	
PERMIAN DETRITAL	No			No	NOT ENCOUNTERED
LEON	No			No	NOT ENCOUNTERED
WICHITA ALBANY	Yes	7021.0		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 Yes

Is the completion being downhole commingled 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	Tessa Fitzhugh	**Title:**	Regulatory Analyst
Telephone	(432) 620-4336	**Date**	07/13/2016

REC'D/MIDLAND
MAY 23 2016

RAILROAD COMMISSION OF TEXAS

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

CEMENTING REPORT

Form W-15
Rev. 08/2014

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

OPERATOR INFORMATION

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

WELL INFORMATION

District No.: 08	County: ANDREWS	
Well No.: 8020	API No.: 42-003-47231	Drilling Permit No.:
Lease Name: FULLERTON CLEARFORK UNIT	Lease No.: 01770	
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.): 1705	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 8 5/8	Casing weight (lbs/ft) and grade:	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.): 1705	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 12.50	Calculated top of cement (ft.):	Cementing date: 5/6/2016

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	385	ECONOCEM-C	SEE REMARKS	801.57	3153.30
2	310	HALCEM-C	SEE REMARKS	415.71	1635.36
3					
Total	695			1217.28	4788.66

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

LEAD SLURRY HAS 1% ECONOLITE, 5 LBM SALT, .25 LBM POLY-E-FLAKE
TAIL SLURRY HAS .25 LBM POLY-E-FLAKE, 1% CALCIUM CHLORIDE
CIRCULATED 148 SKS 55 BBLS OF CEMENT TO SURFACE

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

MARIO RODRIGUEZ SERVICE SUPERVISOR III	Halliburton		
Name and title of cementer's representative	Cementing Company	Signature	
6155 W. Murphy St.	Odessa, TX, 79763	432-571-8600	5/6/16
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	Reg Analyst	Tessa Fitzhugh
Typed or printed name of operator's representative	Title	Signature
500 W. Illinois, Ste 100	Midland, TX 79701	432.620.4336	7.8.2016
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.

RAILROAD COMMISSION OF TEXAS

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

REC'D/MIDLAND
MAY 23 2016

CEMENTING REPORT

Form W-15
Rev. 08/2014

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

OPERATOR INFORMATION

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

WELL INFORMATION

District No.: 08	County: ANDREWS	
Well No.: 8020	API No.: 42-003-47231	Drilling Permit No.:
Lease Name: FULLERTON CLEARFORK UNIT	Lease No.: 01770	
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.): 7403	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 5 1/2	Casing weight (lbs/ft) and grade:	No. of centralizers used: 52
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.): 7403	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date: 5-10-16

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	595	C	SEE REMARKS	1652	8577
2	910	C	SEE REMARKS	1178	6689
3					
Total	1505			2830	15266

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

LEAD=HALAD(R)-322, POLY-E-FLAKE, D-AIR 5000, TAIL= HALAD(R)-344, SALT, HR-800 CEMENT TO SURFACE 46 BBLS 93 SACKS

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.

LOUIS GENOVESI SERVICE SUPERVISOR	Halliburton		
Name and title of cementer's representative	Cementing Company	Signature	
6155 W. Murphy St.	Odessa, TX, 79763	432-571-8600	5-10-16
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	Reg. Analyst	Tessa Fitzhugh
Typed or printed name of operator's representative	Title	Signature
500 W. Illinois, Ste 100 Midland TX 79701	432.620.1336	7.8.2016
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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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
Oil and Gas Division

Tracking No.: 158121

ELECTRIC LOG STATUS REPORT

This facsimile L-1 was generated electronically from data submitted to the RRC.

FORM L-1

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: 06/21/2016
Field Name FULLERTON	Drilling Permit No. 809495	
Lease Name FULLERTON CLEARFORK UNIT	Lease/ID No. 01770	Well No. 8020
County ANDREWS	API No. **42-** 003-47231	

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 07/08/2016 Date

-FOR RAILROAD COMMISSION USE ONLY-

HALLIBURTON

NATURAL GAMMA RAY
DUAL SPACED NEUTRON
SPECTRAL DENSITY

XTO ENERGY INC (COMPANY)
FULLERTON CLEARFORK UNIT #8020 (WELL)
FULLERTON (FIELD/BLOCK)
ANDREWS (COUNTY)
TEXAS (STATE)

COMPANY **XTO ENERGY INC**

WELL **FULLERTON CLEARFORK UNIT #8020**

FIELD/BLOCK **FULLERTON**

COUNTY **ANDREWS** STATE **TEXAS**

API No. 42-003-47231

Location 2616' FNL AND 2108' FEL
SEC: 18, BLK: 13
SURVEY: UL

Other Services:
DLLT/MGRD

Permanent Datum		GL		Elev. 3289.0 ft		Elev.: K.B.	3302.0 ft
Log measured from		KB		13.0 ft above perm. Datum		D.F.	3301.0 ft
Drilling measured from		KB				G.L.	3289.0 ft
Date		10-May-16					
Run No.		ONE					
Depth - Driller		7403.0 ft					
Depth - Logger		7403.0 ft					
Bottom - Logged Interval		7347.0 ft					
Top - Logged Interval		200.0 ft					
Casing - Driller		8.625 in	@ 1705.0 ft	@		@	
Casing - Logger		1701.0 ft					
Bit Size		7.625 in		@		@	
Type Fluid in Hole		Brine					
Density	Viscosity	10.3 ppg	28.00 s/qt				
PH	Fluid Loss	10.00 pH					
Source of Sample		FLOWLINE					
Rm @ Meas. Temperature		0.08 ohmm	@ 70.00 degF	@		@	
Rmf @ Meas. Temperature		0.06 ohmm	@ 71.00 degF	@		@	
Rmc @ Meas. Temperature		0.12 ohmm	@ 68.00 degF	@		@	
Source Rmf	Rmc	FLOWLINE	FLOWLINE				
Rm @ BHT		0.04 ohmm	@ 143.0 degF	@		@	
Time Since Circulation		8:00 hr					
Time on Bottom		10-May-16 07:17					
Max. Rec. Temperature		143.00 degF	@ 7404.0 ft	@		@	
Equipment	Location	11153035	ODESSA, TX				
Recorded By		YASIN ABULAIHA					
Witnessed By		RICHARD BESSE					

Fold here

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-12
(1-1-71)

6. RRC District: 8

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

7. RRC Lease Number (Oil completions only): 01770

1. FIELD NAME (as per RRC Records or Wildcat): Fullerton

2. LEASE NAME: Fullerton Clearfork Unit

8. Well Number: 8020

3. OPERATOR: **XTO Energy, Inc**

9. RRC Identification Number (Gas completions only)

4. ADDRESS: 500 W. Illinois, Ste 100 Midland TX 79701

10. County: **Andrews**

5. LOCATION (Section, Block and Survey): Sec 13, Blk 13, UL

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)
249	2.49	0.30	0.52	1.30	1.30
705	4.56	0.50	0.87	3.98	5.28
1180	4.75	2.00	3.49	16.58	21.86
1338	1.58	1.90	3.32	5.24	27.10
1433	0.95	2.10	3.66	3.48	30.58
1528	0.95	1.90	3.32	3.15	33.73
1823	2.95	1.40	2.44	7.21	40.94
2078	2.55	0.90	1.57	4.01	44.94
2331	2.53	1.60	2.79	7.06	52.01
2584	2.53	2.70	4.71	11.92	63.92
2834	2.50	2.90	5.06	12.65	76.57
2992	1.58	1.80	3.14	4.96	81.54
3116	1.24	2.30	4.01	4.98	86.51
3402	2.86	2.00	3.49	9.98	96.49
3780	3.78	1.30	2.27	8.58	105.07
4129	3.49	1.40	2.44	8.53	113.60

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

17. Is any information shown on the reverse side of this form? [x] yes [ ] no

18. Accumulative total displacement of well bore at total depth of **7,285.00** feet = **144.74** feet.

*19. Inclination measurements were made in [ ] Tubing [ ] Casing [ ] Open hole [x] Drill Pipe

20. Distance from surface location of well to the nearest lease line 330 feet.

21. Minimum distance to lease line as prescribed by field rules 4018 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** (Area Code) - **563-2106**

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 (Area Code) - 620-4330

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)
4446	3.17	1.00	1.75	5.53	119.13
4948	5.02	0.50	0.87	4.38	123.51
5419	4.71	0.30	0.52	2.47	125.98
5892	4.73	0.70	1.22	5.78	131.75
6335	4.43	0.50	0.87	3.87	135.62
6810	4.75	0.50	0.87	4.15	139.76
7285	4.75	0.60	1.05	4.97	144.74
	-72.85				

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.

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

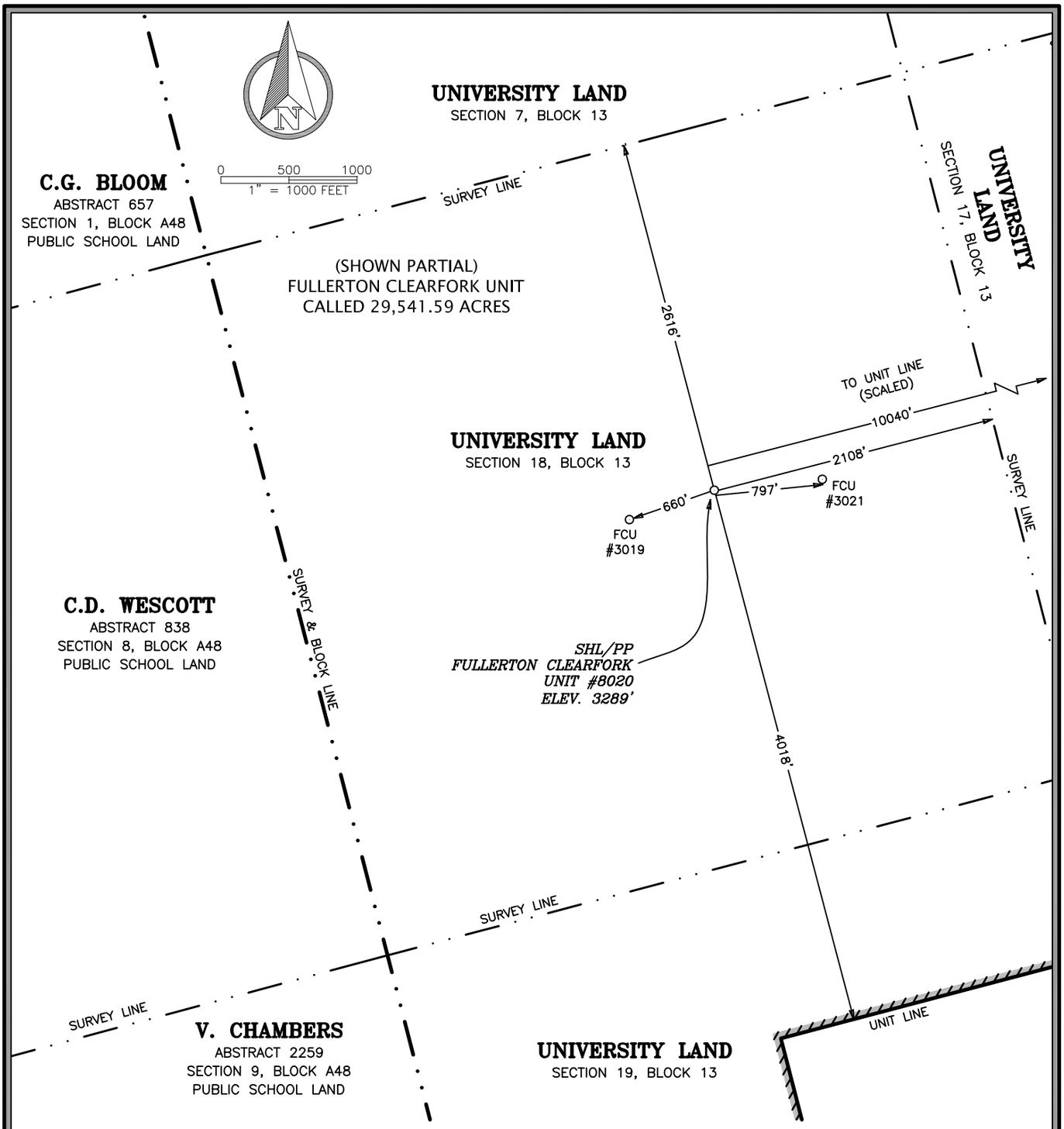
Location: Survey-UL; Block-13; Section-18

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. 14.9 MILES. TURN RIGHT ON NW 7001 AND GO APPROX. 0.6 MILES. TURN RIGHT ON LEASE ROAD AND GO APPROX. 0.5 MILES. TURN LEFT ON LEASE ROAD AND GO APPROX. 0.3 MILES AND ARRIVE AT THE LOCATION ON THE RIGHT.

WELL LOCATION INFORMATION:

SURFACE HOLE LOCATION/PP:
NAD 83, TEXAS CENTRAL ZONE COORD'S
Y = 10,838,935.41, X = 1,533,255.00
LAT: N 32.38279°, LONG: W 102.80566°
SHL: 2,616' FNL & 2,108' FEL
SHL: 4,018' FSLL & 10,040' FELL

NAD 27, TEXAS CENTRAL ZONE COORD'S
Y = 996,359.04, X = 1,236,794.99
LAT: N 32.38268°, LONG: W 102.80520°

FOR RRC PURPOSES ONLY:

NAD 27, TEXAS NORTH CENTRAL ZONE COORD'S
Y = 301,832.57, X = 362,927.12
LAT: N 32.38268°, LONG: W 102.80520°

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

FRANK
SURVEYING COMPANY INC
550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPLS Firm No. 10193887
www.franksurveying.com
LAND SURVEYING/ENERGY/GIS SERVICES

PLAT OF:
A PROPOSED WELL LOCATION FOR:
XTO ENERGY INC.
FULLERTON CLEARFORK UNIT #8020

SITUATED IN THE UNIVERSITY LAND SURVEY, SECTION 18, BLOCK 13, LOCATED 15.8 MILES NORTHWEST OF ANDREWS, IN ANDREWS COUNTY, TEXAS

DATE:	07-10-2015
DRAWN BY:	AI
CHECKED BY:	DH/CH
FIELD CREW:	BK&ZM
PROJECT NO:	2015040486
SCALE:	1" = 1000'
SHEET:	1 OF 1
REVISION:	NO