

API No. <u>42-003-47446</u> Drilling Permit # <u>821059</u> SWR Exception Case/Docket No. _____		<b>RAILROAD COMMISSION OF TEXAS</b> <b>OIL &amp; GAS DIVISION</b> <b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b> <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>	
1. RRC Operator No. <b>945936</b>		2. Operator's Name (as shown on form P-5, Organization Report) <b>XTO ENERGY INC.</b>		3. Operator Address (include street, city, state, zip): <b>ATTN DEEANN KEMP</b> <b>500 WEST ILLINOIS STE 100</b> <b>MIDLAND, TX 79701-0000</b>			
4. Lease Name <b>FULLERTON CLEARFORK UNIT</b>		5. Well No. <b>7620</b>					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)							
7. Wellbore Profile (mark ALL appropriate boxes): <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack							
8. Total Depth <b>7550</b>		9. Do you have the right to develop the minerals under any right-of-way ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <b>08</b>		12. County <b>ANDREWS</b>		13. Surface Location <input checked="" type="checkbox"/> Land <input type="checkbox"/> Bay/Estuary <input type="checkbox"/> Inland Waterway <input type="checkbox"/> Offshore			
14. This well is to be located <u>16.4</u> miles in a <u>NW</u> direction from <u>ANDREWS</u> which is the nearest town in the county of the well site.							
15. Section <b>7</b>		16. Block <b>13</b>		17. Survey <b>UL</b>		18. Abstract No. <b>A-</b>	
				19. Distance to nearest lease line: <b>9371</b> ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>29541.59</b>	
21. Lease Perpendiculars: <u>9371</u> ft from the <u>SOUTH</u> line and <u>13671</u> ft from the <u>WEST</u> line. 22. Survey Perpendiculars: <u>2557</u> ft from the <u>NORTH</u> line and <u>2237</u> ft from the <u>EAST</u> line.							
23. Is this a pooled unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. Unitization Docket No:		25. Are you applying for Substandard Acreage Field? <input type="checkbox"/> Yes         (attach Form W-1A) <input checked="" type="checkbox"/> No			
FIELD INFORMATION <b>List all fields of anticipated completion including Wildcat. List one zone per line.</b>							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)		29. Well Type	30. Completion Depth	31. Distance to Nearest Well in this Reservoir	
08	33230001	FULLERTON		Oil Well	7350	355.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS							
<b>Remarks</b>     				<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge.			
				<div style="display: flex; justify-content: space-between;"> <div> <u>Jessica Bonilla</u>            Name of filer  <u>(432)6206704</u>            Phone         </div> <div> <u>Dec 07, 2016</u>            Date submitted  <u>Jessica_Bonilla@xtoenergy.com</u>            E-mail Address (OPTIONAL)         </div> </div>			
<b>RRC Use Only</b>							
Data Validation Time Stamp: Jan 9, 2017 11:07 AM( Current Version )							

**RAILROAD COMMISSION OF TEXAS**  
**OIL & GAS DIVISION**

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <div style="text-align: right;">821059</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: right;">Dec 28, 2016</div>	DISTRICT <div style="text-align: right;">* 08</div>																					
API NUMBER <div style="text-align: right;">42-003-47446</div>	FORM W-1 RECEIVED <div style="text-align: right;">Dec 07, 2016</div>	COUNTY <div style="text-align: right;">ANDREWS</div>																					
TYPE OF OPERATION <div style="text-align: right;">NEW DRILL</div>	WELLBORE PROFILE(S) <div style="text-align: right;">Vertical</div>	ACRES <div style="text-align: right;">29541.59</div>																					
OPERATOR <div style="text-align: right;">945936</div> <div style="text-align: right;">XTO ENERGY INC.</div> <div style="text-align: right;">ATTN DEEANN KEMP</div> <div style="text-align: right;">500 WEST ILLINOIS STE 100</div> <div style="text-align: right;">MIDLAND, TX 79701-0000</div>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <div style="text-align: right;">(432) 684-5581</div>																					
LEASE NAME <div style="text-align: right;">FULLERTON CLEARFORK UNIT</div>		WELL NUMBER <div style="text-align: right;">7620</div>																					
LOCATION <div style="text-align: right;">16.4 miles NW direction from ANDREWS</div>		TOTAL DEPTH <div style="text-align: right;">7550</div>																					
Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION  7</div> <div>BLOCK  13</div> <div>ABSTRACT </div> </div> <div style="display: flex; justify-content: space-between;"> <div>SURVEY  UL</div> </div>																							
DISTANCE TO SURVEY LINES <div style="text-align: right;">2557 ft. NORTH    2237 ft. EAST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: right;">9371 ft.</div>																					
DISTANCE TO LEASE LINES <div style="text-align: right;">9371 ft. SOUTH    13671 ft. WEST</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: right;">See FIELD(s) Below</div>																					
FIELD(s) and LIMITATIONS: <div style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</div>																							
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">FIELD NAME LEASE NAME</th> <th style="width: 10%;">ACRES NEAREST LEASE</th> <th style="width: 10%;">DEPTH</th> <th style="width: 10%;">WELL # NEAREST WE</th> <th style="width: 10%;">DIST</th> </tr> </thead> <tbody> <tr> <td>-----</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>---</td> </tr> <tr> <td>FULLERTON</td> <td>29541.59</td> <td>7,350</td> <td>7620</td> <td>08</td> </tr> <tr> <td>FULLERTON CLEARFORK UNIT</td> <td>9371</td> <td></td> <td>355</td> <td></td> </tr> </tbody> </table>				FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH	WELL # NEAREST WE	DIST	-----	-----	-----	-----	---	FULLERTON	29541.59	7,350	7620	08	FULLERTON CLEARFORK UNIT	9371		355	
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-----	-----	-----	-----	---																			
FULLERTON	29541.59	7,350	7620	08																			
FULLERTON CLEARFORK UNIT	9371		355																				
RESTRICTIONS:    This is a hydrogen sulfide field. Hydrogen Sulfide Fields with perforations must be isolated and tested per State Wide Rule 36 and a Form H-9 filed with the district office. Fields with SWR 10 authority to downhole commingle must be isolated and tested individually prior to commingling production.																							
<b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b>																							
This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.																							
This well must comply to the new SWR 3.13 requirements concerning the isolation of any potential flow zones and zones with corrosive formation fluids. See approved permit for those formations that have been identified for the county in which you are drilling the well in.																							

**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION  
SWR #13 Formation Data**

**ANDREWS (003) County**

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
YATES	2,500	3,200		1	12/17/2013
SEVEN RIVERS	3,000	3,000		2	12/17/2013
QUEEN	3,600	4,800		3	12/17/2013
GRAYBURG	3,100	5,000		4	12/17/2013
SAN ANDRES	3,700	5,300	CO2 flood, high flows, H2S, corrosive	5	12/17/2013
HOLT	5,000	5,500		6	12/17/2013
GLORIETA	5,100	6,000		7	12/17/2013
TUBB	6,100	6,300		8	12/17/2013
CLEARFORK	5,600	7,600		9	12/17/2013
PERMIAN DETRITAL	7,800	7,900		10	12/17/2013
LEON	7,900	7,900		11	12/17/2013
WICHITA ALBANY	6,500	8,100		12	12/17/2013
SPRABERRY	7,300	8,600		13	12/17/2013
DEAN	9,200	9,500		14	12/17/2013
WOLFCAMP	7,500	9,900		15	12/17/2013
CANYON	8,600	10,200		16	12/17/2013
PENNSYLVANIAN	8,700	10,200		17	12/17/2013
MCKEE	8,300	10,600		18	12/17/2013
STRAWN	8,800	11,000		19	12/17/2013
FUSSELMAN	8,400	11,900		20	12/17/2013
DEVONIAN	7,600	12,500		21	12/17/2013
SILURIAN	8,000	12,500		22	12/17/2013
ELLENBURGER	7,900	13,900		23	12/17/2013

The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. Formation "TOP" information listed reflects an estimated range based on geologic variances across the county. To clarify, the "Deep Top" is not the bottom of the formation; it is the deepest depth at which the "TOP" of the formation has been or might be encountered. This is a dynamic list subject to updates and revisions. It is the operator's responsibility to make sure that at the time of spudding the well the most current list is being referenced. Refer to the RRC website at the following address for the most recent information.  
<http://www.rrc.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 07 December 2016**GAU Number:** 164163**Attention:** XTO ENERGY INC.  
ATTN ALAN CODY  
FORT WORTH, TX 76102**Operator No.:** 945936**API Number:**  
**County:** ANDREWS  
**Lease Name:** FULLERTON CLEARFORK UNIT  
**Lease Number:** 01770  
**Well Number:** 7216  
**Total Vertical Depth:** 7500  
**Latitude:** 32.408185  
**Longitude:** -102.823113  
**Datum:** NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-13; Section-6

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 1150 to 1550 feet must be protected.

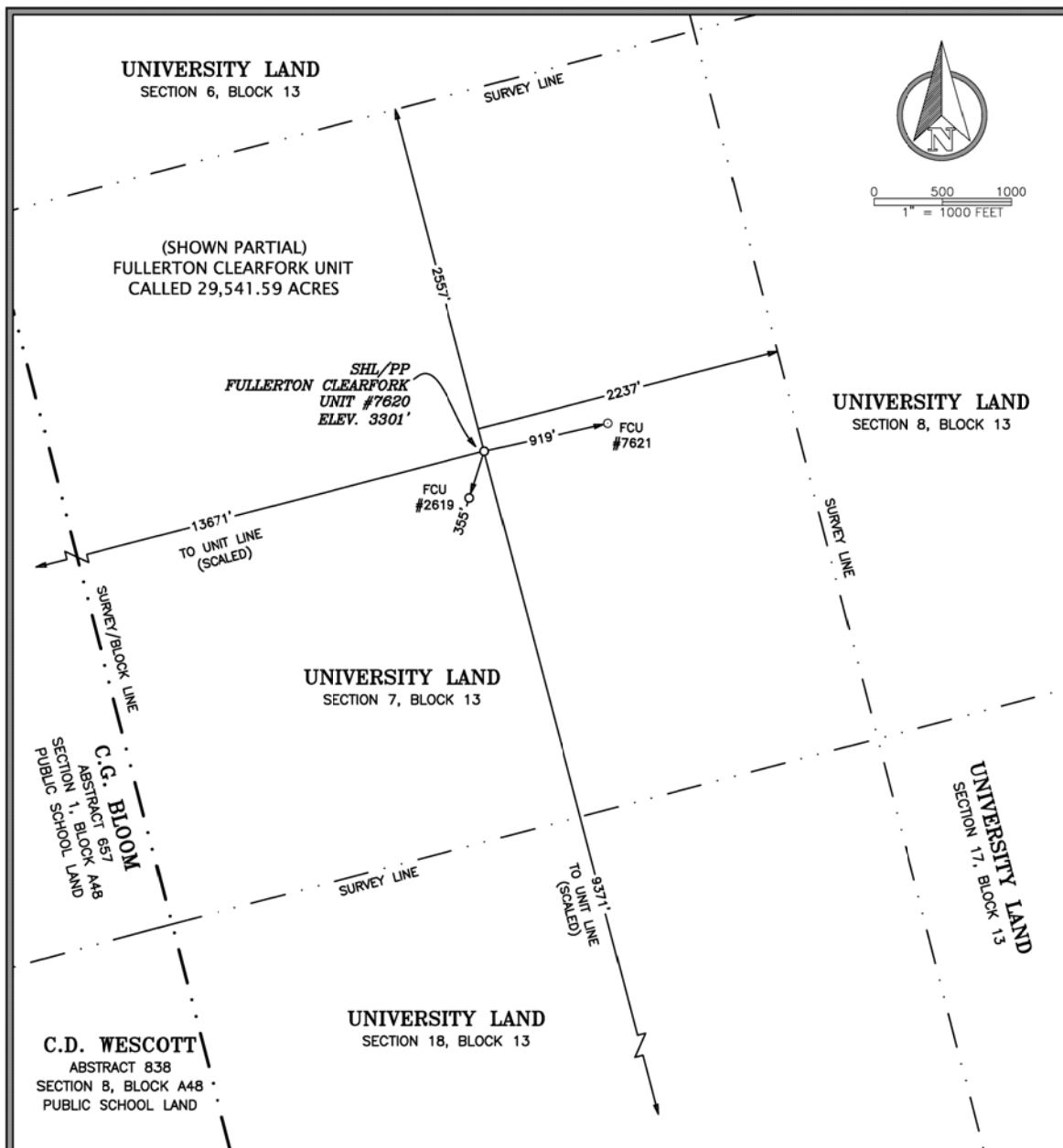
This recommendation is applicable for all wells drilled in this Section 6.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 12/06/2016. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

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



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.

  
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

**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

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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