

**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

G.W. STANFORD
 ABSTRACT 644
 SECTION 16, BLOCK A32
 PUBLIC SCHOOL LAND

W.A. MARSHALL
 ABSTRACT 625
 SECTION 16, BLOCK A32
 PUBLIC SCHOOL LAND

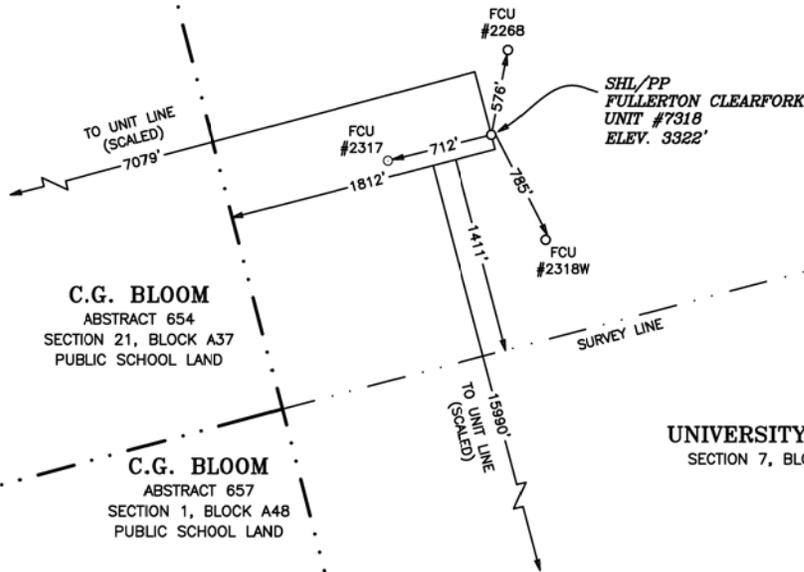


0 500 1000
 1" = 1000 FEET

(SHOWN PARTIAL)
 FULLERTON CLEARFORK UNIT
 CALLED 29,541.59 ACRES

UNIVERSITY LAND
 SECTION 5, BLOCK 13

UNIVERSITY LAND
 SECTION 6, BLOCK 13



C.G. BLOOM
 ABSTRACT 654
 SECTION 21, BLOCK A37
 PUBLIC SCHOOL LAND

C.G. BLOOM
 ABSTRACT 657
 SECTION 1, BLOCK A48
 PUBLIC SCHOOL LAND

UNIVERSITY LAND
 SECTION 7, BLOCK 13

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 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. 2.2 MILES. TURN RIGHT ON LEASE ROAD AND GO APPROX. 0.1 MILES. TURN LEFT ON LEASE ROAD AND GO APPROX. 0.3 MILES. TURN RIGHT ON LEASE ROAD AND GO APPROX. 0.2 MILES AND ARRIVE AT THE LOCATION APPROX. 670' ON THE LEFT.

WELL LOCATION INFORMATION:

SURFACE HOLE LOCATION/PP:
 NAD 83, TEXAS CENTRAL ZONE COORD'S
 Y = 10,847,611.92, X = 1,529,594.35
 LAT: N 32.40640°, LONG: W 102.81814°
 SHL: 1,411' FSL & 1,812' FWL
 SHL: 15,990' FSL & 7,079' FWL

NAD 27, TEXAS CENTRAL ZONE COORD'S
 Y = 1,005,035.12, X = 1,233,134.75
 LAT: N 32.40629°, LONG: W 102.81768°

FOR RRC PURPOSES ONLY:

NAD 27, TEXAS NORTH CENTRAL ZONE COORD'S
 Y = 310,606.59, X = 359,514.51
 LAT: N 32.40629°, LONG: W 102.81768°

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 #7318

SITUATED IN UNIVERSITY LAND SURVEY, SECTION 6, BLOCK 13, LOCATED 17.0 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: 2016080638
 SCALE: 1" = 1000'
 SHEET: 1 OF 1
 REVISION: 1