



PERMIT FOR GAS DRILLING AND PRODUCTION

The City of Arlington hereby issues permission to conduct gas drilling and completion activities associated with the well identified below.

Is this an Amended Permit  Yes  No

PERMIT ISSUED TO:

Operator: XTO ENERGY Work Phone: (817) 885-2621 E-mail:
Mailing Address: 810 HOUSTON ST. City: FORT WORTH State: TEXAS Zip: 76102

Applicant: SAME Work Phone: ( ) E-mail:
Mailing Address: City: State: Zip: -

Agent to Receive Notice: WALTER DUEEASE Work Phone: (817) 885-2621 E-mail: walter.dueease@xtoenergy.com
Mailing Address: 810 HOUSTON ST. City: FORT WORTH State: TEXAS Zip: 76102

Emergency 24-Hr Contact Person: CARL JEFFERY Mobile Phone: (817) 201-8009
Mailing Address: 1400 EVERMAN PKWY #217 City: FORT WORTH State: TEXAS Zip: 76110
Work Phone: (817) 201-8009 E-mail: Carl.jeffery@xtoenergy.com

GAS WELL INFORMATION:

Gas Well Permit Number: GW 11 -109 Well Name: SUE BARNETT #4
Drill Site Name: SUE BARNETT Site Address: 1809 SOUTHEAST PARKWAY
Well API Number: 42-439-34670 RRC Permit Number: 688248

Original Permit Issued on: November 30, 2012
Gas Well Permit will expire on May 29, 2013, unless extended by the Building Official, if drilling has not commenced within one hundred eighty (180) days.

Separate permits from the Community Development and Planning Department are required for building, mechanical, electrical, fire, concrete, walls/fencing, and plumbing.

The terms and provision of the "Gas Drilling and Production" Chapter of the Code of the City of Arlington, as amended, are incorporated into this Gas Well Permit as if written for word herein and shall be considered terms and conditions of this Permit. The Gas Well Permit shall also include any stipulations or conditions added as part of the approved zoning for the site. The issuance of this permit shall not be construed as a permit to violate any provision of the Code of the City of Arlington, Texas or the previously approved requirements and associated site plan identified in the listed Zoning Case SUP 09-24 approved 2/6/10 and Gas Well Resolution 12-118 approved 6-5-2012.

Walter Dueease
Operator

11/29/12
Date

[Signature]
Building Official

11/30/2012
Date

**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 688248	DATE PERMIT ISSUED OR AMENDED (AMENDED) Sep 16, 2011	DISTRICT 05		
API NUMBER 42-439-34670	FORM W-1 RECEIVED Jul 09, 2010	COUNTY TARRANT		
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 625.17		
OPERATOR XTO ENERGY INC.	945936	NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (903) 984-3026		
LEASE NAME SUE BARNETT UNIT	WELL NUMBER 4H			
LOCATION 0 miles Within direction from ARLINGTON	TOTAL DEPTH 10000			
Section, Block and/or Survey SECTION ◀ BLOCK ◀ ABSTRACT ◀ 1339 SURVEY ◀ ROUCHE, P				
DISTANCE TO SURVEY LINES 2006 ft. N 635 ft. E		DISTANCE TO NEAREST LEASE LINE 27 ft.		
DISTANCE TO LEASE LINES 2031 ft. N 603 ft. E		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below		
FIELD(s) and LIMITATIONS:  ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(A) ** CASE NO. 0266558				
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE	WELL # NEAREST WE	DIST
-----	-----	-----	-----	-----
** NEWARK, EAST (BARNETT SHALE)	625.17	9,500	4H	09
SUE BARNETT UNIT	27		725	
-----				
WELLBORE PROFILE(s) FOR FIELD: Horizontal				
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RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 1220.0 F N L 1563.0 F E INT CRNR L Terminus Location BH County: TARRANT Section: Block: Abstract: 203 Survey: BBB&C RR CO Lease Lines: 346.0 F N L 330.0 F E L Survey Lines: 323.0 F N L 2250.0 F W L				
'***' PRECEDING FIELD NAME INDICATES RULE (R37)				
THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS				
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.				



Texas Commission  
on Environmental Quality  
Surface Casing Program

DEPTH OF USABLE-QUALITY GROUND WATER TO BE PROTECTED

Date December 9, 2009

TCEQ File No.: SC- 5093

\*\*\*\*\* EXPEDITED APPLICATION \*\*\*\*\*

API Number 43934670

Attention: KRISTIN POSPISIL

RRC Lease No. 000000

SC\_945936\_43934670\_000000\_5093.pdf

XTO ENERGY  
600 E EXCHANGE AVE  
FORT WORTH TX 76164

--Measured--

578 ft FEL

2002 ft FNL

MRL: SURVEY

Digital Map Location:	
X-coord/Long	<u>2130286</u>
Y-coord/Lat	<u>355415</u>
Datum	<u>27</u>
Zone	<u>NC</u>

P-5# 945936

County TARRANT

Lease & Well No. SUE BARNETT UNIT #4H

Purpose ND

Location SUR-ROUCHE P., A-1339, -- [TD=10000], [RRC 5],

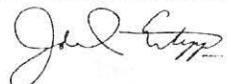
To protect usable-quality ground water at this location, the Texas Commission on Environmental Quality recommends:

The interval from the land surface to 20 feet below the base of Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth of 1950 feet.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Approval of the well completion methods for protection of this groundwater falls under the jurisdiction of the Railroad Commission of Texas. **This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).**

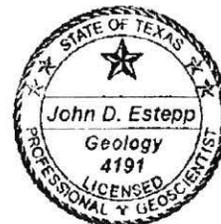
If you have any questions, please contact us at 512-239-0515, [sc@tceq.state.tx.us](mailto:sc@tceq.state.tx.us), or by mail MC-151.

Sincerely,

  
Digitally signed by John Estep  
DN: c=US, st=Texas, l=Austin,  
cn=John Estep,  
email=jestep@tceq.state.tx.us  
Date: 2009.12.09 07:37:22 -06'00'

**John D. Estep, P.G.**

GEOLOGIST SEAL



Geologist, Surface Casing Team  
Waste Permits Division

The seal appearing on this document was authorized by *John D. Estep* on 12/9/2009  
Note: Alteration of this electronic document will invalidate the digital signature.

**STATE PLANE COORDINATE DATUM**  
**1927 MAD - TEXAS NORTH CENTRAL ZONE**  
**SUE BARNETT UNIT 4H**  
**(AS STAKED BY DWILLING)**

**SURFACE LOCATION**  
 X = 2,130,256' Y = 353,283'  
 LAT = 32°38'54.10" N LONG = 97°04'28.01" W

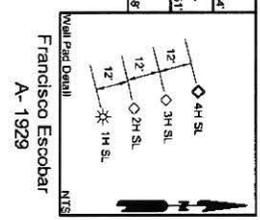
**INFLECTION POINT**  
 X = 2,130,560' Y = 353,218'  
 LAT = 32°38'37.42" N LONG = 97°04'35.35" W

**PENETRATION POINT**  
 X = 2,130,900' Y = 356,145'  
 LAT = 32°38'41.63" N LONG = 97°04'28.01" W

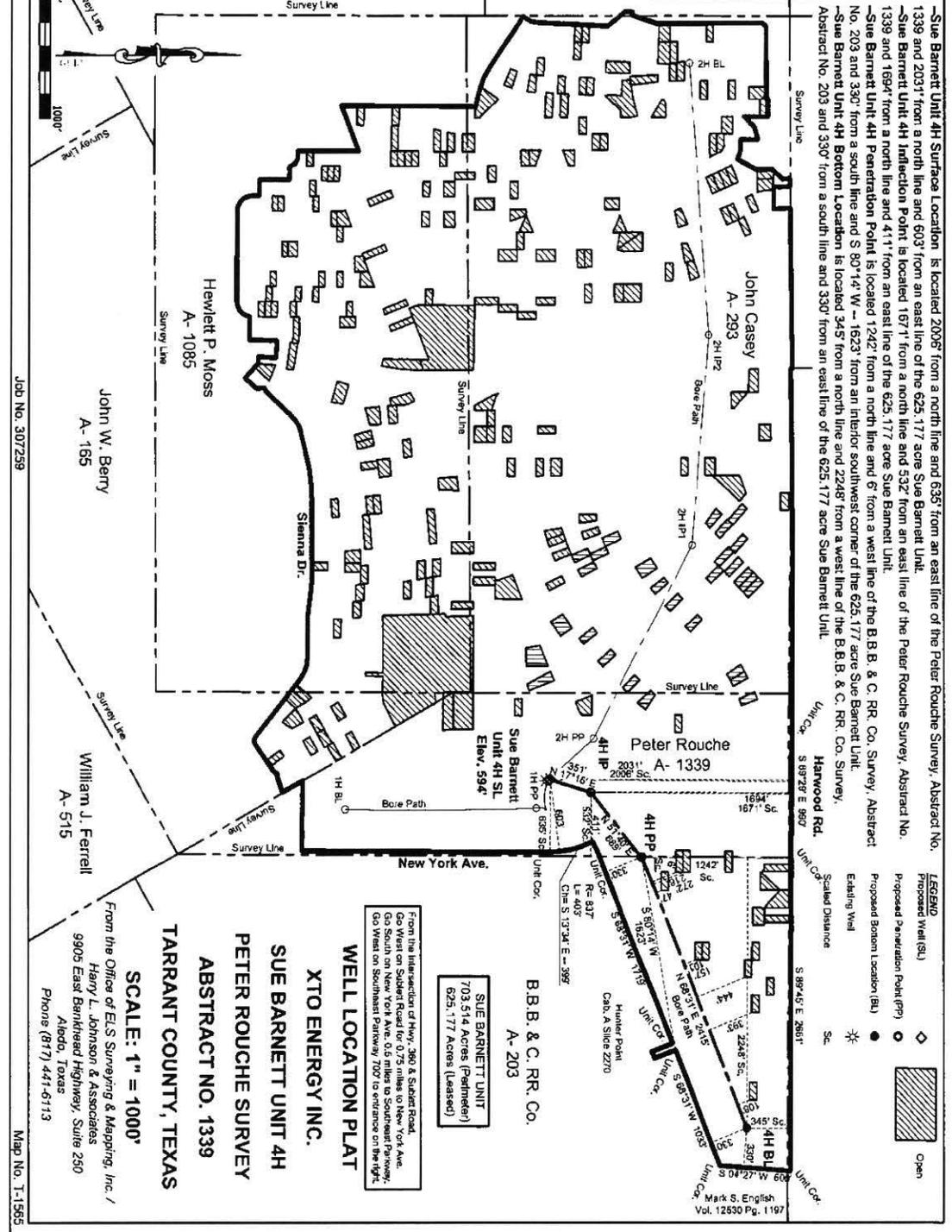
**BOTTOM LOCATION**  
 X = 2,133,147' Y = 357,030'  
 LAT = 32°38'50.29" N LONG = 97°04'02.68" W

Surface Location is in the City of Arlington, Texas  
 "Arlington" Quadrangle

1H SL	N= 365,347'
2H SL	E= 2,130,284'
3H SL	N= 355,359'
4H SL	E= 2,130,261'
5H SL	N= 353,371'
6H SL	E= 2,130,256'



September 12, 2011.  
 The location shown hereon was staked from field lines as evidenced by occupation. Distances shown are not intended to be definitive in establishing title boundaries. The acreage shown hereon were provided by others. Bearings are based on NAD 27 State Plane Coordinates.  
**FOR THE EXCLUSIVE USE OF**  
**XTO ENERGY INC.**  
 Drafter: S.W.



-Sue Barnett Unit 4H Surface Location. Is located 2005' from a north line and 635' from an east line of the Peter Rouche Survey, Abstract No. 1339 and 2031' from a north line and 603' from an east line of the 625,177 acre Sue Barnett Unit.  
 -Sue Barnett Unit 4H Inflection Point is located 1671' from a north line and 532' from an east line of the Peter Rouche Survey, Abstract No. 1339 and 1694' from a north line and 411' from an east line of the 625,177 acre Sue Barnett Unit.  
 -Sue Barnett Unit 4H Penetration Point is located 1242' from a north line and 6' from a west line of the B.B. & C. RR. Co. Survey, Abstract No. 203 and 330' from a south line and S 80°14' W - 1623' from an interior southwest corner of the 625,177 acre Sue Barnett Unit.  
 -Sue Barnett Unit 4H Bottom Location is located 345' from a north line and 2248' from a west line of the B.B. & C. RR. Co. Survey, Abstract No. 203 and 330' from a south line and 330' from an east line of the 625,177 acre Sue Barnett Unit.

**LEGEND**

- Proposed Well (SU)
- Proposed Penetration Point (PP)
- Proposed Bottom Location (BL)
- Existing Well
- Scaled Distance
- Open

**WELL LOCATION PLAT**  
**XTO ENERGY INC.**  
**SUE BARNETT UNIT 4H**  
**PETER ROUCHE SURVEY**  
**ABSTRACT NO. 1339**  
**TARRANT COUNTY, TEXAS**

From the intersection of Hwy. 286 & Stubbs Road, Go West on Stubbs Road for 0.75 miles to New York Ave. Go South on New York Ave. 0.6 miles to Southeast Parkway. Go West on Southeast Parkway 700' to entrance on the right.

**SUE BARNETT UNIT**  
 703.514 Acres (Reopened)  
 625,177 Acres (Leased)

From the Office of ELS Surveying & Mapping, Inc. /  
 Henry L. Johnson & Associates  
 9905 East Barnhired Highway, Suite 250  
 Aliso, Texas  
 Phone (817) 441-6113

Job No. 307239  
 MAP No. 1-1595