

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 019 26038

Approval Date: 01/27/2014  
Expiration Date: 07/27/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 3S Rge: 2E

County: CARTER

SPOT LOCATION:  NE  SW  SE  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 420 890

Lease Name: DANNY

Well No: 1-29H33

Well will be 420 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 8178852283

OTC/OCC Number: 21003 0

XTO ENERGY INC  
810 HOUSTON ST  
FORT WORTH, TX 76102-6203

WILLIAM & RHETA SCHUERHOFF  
240 DEER CREEK ROAD  
ARDMORE OK 73401

Formation(s) (Permit Valid for Listed Formations Only):

	Name	Depth	Name	Depth
1	WOODFORD	9525	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 359849  
535921

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400196  
201400198

Special Orders:

Total Depth: 15000

Ground Elevation: 749

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 530

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

H. SEE MEMO

PERMIT NO: 14-26253

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

PIT 3 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 33 Twp 3S Rge 2E County CARTER

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 8880

Radius of Turn: 637

Direction: 170

Total Length: 5119

Measured Total Depth: 15000

True Vertical Depth: 9700

End Point Location from Lease,  
Unit, or Property Line: 1

Notes:

Category	Description
DEEP SURFACE CASING	1/22/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
MEMO	1/22/2014 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201400196	1/27/2014 - G75 - (E.O.) 33-3S-2E X359849/535921 WDFD 1 WELL XTO ENERGY INC. REC 1-21-2014 (OSBURN)
PENDING CD - 201400198	1/24/2014 - G75 - (E.O.) X359849/535921 WDFD SHL 420 FSL, 890 FEL 29-3S-2E FIRST PERF NCT 165 FNL, NCT 330 FWL 33-3S-2E LAST PERF NCT 165 FSL, NCT 330 FWL 33-3S-2E XTO ENERGY INC. REC 1-21-2014 (OSBURN)
SPACING - 359849	1/24/2014 - G75 - (640) 33-3S-2E EXT 359090 WDFD
SPACING - 535921	1/24/2014 - G75 - (640) 33-3S-2E EXT OTHERS DETERMINED WOODFORD SHALE PER SP. ORDER # 359849 IS SYNONYMOUS WITH WOODFORD

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District  
Office of the Conservation Division as to when Surface Casing will be run.

API 019-26038

**DANNY 1-29H33**

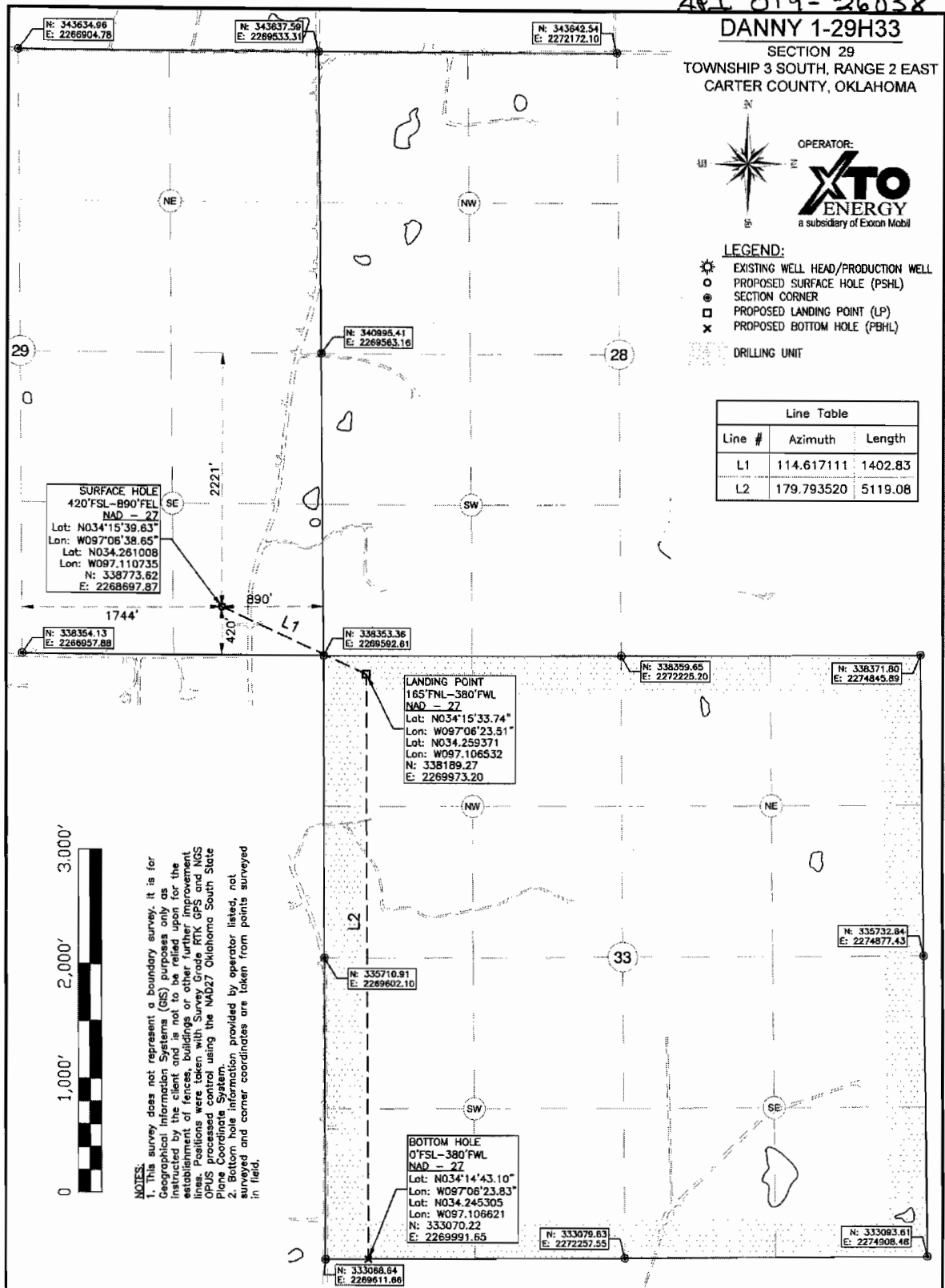
SECTION 29  
TOWNSHIP 3 SOUTH, RANGE 2 EAST  
CARTER COUNTY, OKLAHOMA



- LEGEND:**
- ☼ EXISTING WELL HEAD/PRODUCTION WELL
  - PROPOSED SURFACE HOLE (PSHL)
  - SECTION CORNER
  - PROPOSED LANDING POINT (LP)
  - ✕ PROPOSED BOTTOM HOLE (PBHL)

DRILLING UNIT

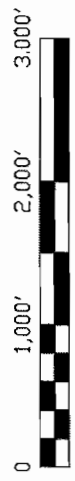
Line Table		
Line #	Azimuth	Length
L1	114.617111	1402.83
L2	179.793520	5119.08



**SURFACE HOLE**  
420' FSL - 890' FWL  
NAD - 27  
Lot: N034°15'39.83"  
Lon: W097°06'38.65"  
Lot: N034.261008  
Lon: W097.110735  
N: 338773.62  
E: 2268697.87

**LANDING POINT**  
165' FNL - 380' FWL  
NAD - 27  
Lot: N034°15'33.74"  
Lon: W097°06'23.51"  
Lot: N034.259371  
Lon: W097.106532  
N: 338189.27  
E: 2269973.20

**BOTTOM HOLE**  
0' FSL - 380' FWL  
NAD - 27  
Lot: N034°14'43.10"  
Lon: W097°06'23.83"  
Lot: N034.245305  
Lon: W097.106621  
N: 333070.22  
E: 2269991.65



**NOTES:**  
1. This survey does not represent a boundary survey, it is for Geographical Information Systems (GIS) purposes only as instructed by the client and is not to be relied upon for the establishment of fences, buildings or other further improvement lines. Positions were taken with Survey Grade RTK GPS and NGS OPUS processed control using the NAD27 Oklahoma South State Plane Coordinate System.  
2. Bottom hole information provided by operator listed, not surveyed and corner coordinates are taken from points surveyed in field.

**Surface Hole Location:** 420' From South Line Section 29  
890' From East Line Section 29  
  
Latitude: N34.261008° (NAD 27)  
Longitude: W97.110735° (NAD 27)  
Latitude: N34.261101° (NAD 83)  
Longitude: W97.111027° (NAD 83)  
  
Ground Elev: 749.4

**Landing Point Location:** 165' From North Line Section 33  
380' From West Line Section 33

**Bottom Hole Location:** 0' From South Line Section 33  
380' From West Line Section 33

**Drilling Unit:** Section 33, T3S, R2E

I, Chad Fox, a duly registered Professional Land Surveyor in the State of OKLAHOMA, do hereby certify that the drawing shown hereon was completed and represents a good and accurate survey made upon the ground by me or under my direct supervision.



Operator: XTO Energy, Inc.  
**Best Accessibility to Location:** From East  
  
Distance & Direction from Hwy Jct or Town:  
From the intersection of Hwy 77 and Pat Bennett Rd. go East 1.9mi on Pat Bennett Rd. to Refinery Rd. Then North 0.1mi to Access Rd. Well Location to the West.

Handwritten: *held 12/30/13*  
CHAD FOX P.L.S. NO. 1758  
C.O.A. NO. 6186 EX. DATE: 31JAN14

**CDF AND ASSOCIATES, LLC.**  
404 Coggins Ave. Poteau, OK 74853 (918) 721-1262  
Certificate of Authorization No. 6186

JOB NO: XTO/WP13/DANNY 1-29H33 DRAWN BY: LD  
DATE: 21/DEC/13 REV: B SCALE: 1" = 1,000' SHT NO. 1