

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

API NUMBER: 085 21261

Approval Date: 03/04/2015  
Expiration Date: 09/04/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 7S Rge: 1E County: LOVE  
SPOT LOCATION:  SE  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 335 1541

Lease Name: FRED Well No: 1-22H27X Well will be 335 feet from nearest unit or lease boundary.  
Operator Name: XTO ENERGY INC Telephone: 8178853255; 8178852 OTC/OCC Number: 21003 0

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

FRED E. MCKAY  
15144 BOMAR ROAD  
MARIETTA OK 73448

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

Name	Depth	Name	Depth
1 CANEY	13973	6	
2 WOODFORD	14667	7	
3 HUNTON	14850	8	
4		9	
5		10	

Spacing Orders: 629629

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201500116  
201500118  
201500119  
201500117  
201500120

Special Orders:

Total Depth: 22600

Ground Elevation: 807

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 280

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: CADDO

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: 15-29465

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CADDO

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CADDO

HORIZONTAL HOLE 1

Sec 27 Twp 7S Rge 1E County LOVE

Spot Location of End Point: N2 N2 N2 SE

Feet From: SOUTH 1/4 Section Line: 2550

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 13336

Radius of Turn: 1000

Direction: 179

Total Length: 7693

Measured Total Depth: 22600

True Vertical Depth: 14850

End Point Location from Lease,  
Unit, or Property Line: 1320

Notes:

Category	Description
DEEP SURFACE CASING	1/27/2015 - 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	1/27/2015 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201500116	1/29/2015 - G75 - (640) 22-7S-1E EXT 629629 CNEY, WDFD, HNTN, OTHER REC 3-2-2015 (LEAVITT)

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.

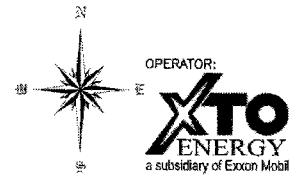
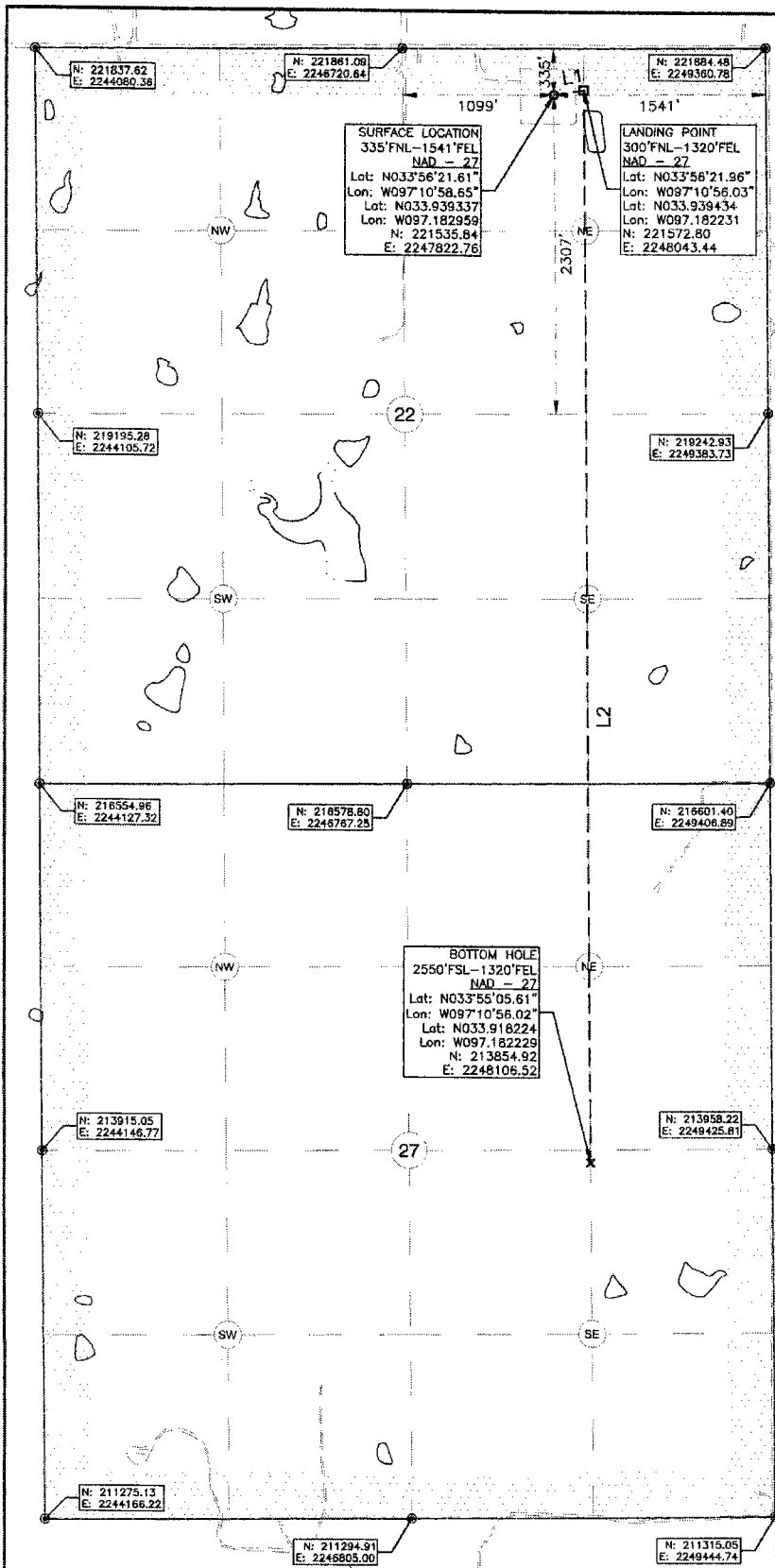
Category	Description
PENDING CD - 201500117	1/29/2015 - G75 - (I.O.) 22 & 27-7S-1E EST MULTIUNIT HORIZONTAL WELL X201500116 CNEY, WDFD, HNTN, 22-7S-1E X629629 CNEY, WDFD, HNTN 27-7S-1E (CNEY, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 69% 22-7S-1E 31% 27-7S-1E XTO ENERGY INC. REC 3-2-2015 (LEAVITT)
PENDING CD - 201500118	1/29/2015 - G75 - (I.O.) 22-7S-1E X201500116 CNEY, WDFD, HNTN SHL 335 FNL, 1541 FEL COMPL. INT. NCT 165 FNL, NCT 0 FSL, NCT 1320 FEL NO OP. NAMED REC 3-2-2015 (LEAVITT)
PENDING CD - 201500119	1/29/2015 - G75 - (I.O.) 27-7S-1E X629629 CNEY, WDFD, HNTN COMPL. INT. NCT 0 FNL, NCT 165 FSL, NCT 1320 FEL NO OP. NAMED REC 3-2-2015 (LEAVITT)
PENDING CD - 201500120	1/29/2015 - G75 - 27-7S-1E X629629 WDFD 1 WELL NO OP. NAMED REC 3-2-2015 (LEAVITT)
SPACING - 629629	1/29/2015 - G75 - (640) 27-7S-1E VAC 186840 WDFD, HNTN EXT 622037 CNEY, WDFD, HNTN, OTHER

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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.

**FRED 1-22H27X**

SECTION 22  
TOWNSHIP 7 SOUTH, RANGE 1 EAST  
LOVE COUNTY, OKLAHOMA

API 085-21261



**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	080.493252	223.76
L2	179.531749	7718.14



**NOTES:**  
1. This survey does not represent a boundary survey. It is for Geographical Information Systems (GIS) purposes only as 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 NAD07 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: 335' From North Line Section 22  
1541' From East Line Section 22

Latitude: N33.939337° (NAD 27)  
Longitude: W97.182959° (NAD 27)  
Latitude: N33.939438° (NAD 83)  
Longitude: W97.183251° (NAD 83)

Ground Elev: 807.0

Landing Point Location: 300' From North Line Section 22  
1320' From East Line Section 22

Bottom Hole Location: 2550' From South Section 27  
1320' From East Line Section 27

Drilling Unit: Section 22&27, T7S, R1E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From North

Distance & Direction from Hwy Jct or Town:  
From the Intersection of Hwy 32 and Interstate 35 go West 2.8mi on Hwy 32 to Access Rd. Well Location to the South.

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.

CHAD FOX P.L.S. NO. 1758  
C.O.A. NO. 6186 EX. DATE: 31JAN16



**CDF AND ASSOCIATES, LLC.**

208 Dewey Ave. Poteau, OK 74953 (918) 649-3303  
Certificate of Authorization No. 6186

JOB NO: XTO/WP14/Fred 1-22H27X DRAWN BY: LD  
DATE: 09/DEC/14 REV: A SCALE: 1" = 1,000' SHT NO. 1