

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

API NUMBER: 085 21251

Approval Date: 11/26/2014  
Expiration Date: 05/26/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 6S Rge: 1E County: LOVE  
SPOT LOCATION:  SW  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 485 1445

Lease Name: OSWALT RANCH Well No: 1-19H Well will be 485 feet from nearest unit or lease boundary.  
Operator Name: XTO ENERGY INC Telephone: 8178853255 OTC/OCC Number: 21003 0

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

SAMUEL ROBERTS NOBLE FOUNDATION  
2510 SAM NOBLE PARKWAY  
ARDMORE OK 73401

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

	Name	Depth	Name	Depth
1	CANEY	11050	6	
2	WOODFORD	11900	7	
3	HUNTON	11990	8	
4			9	
5			10	

Spacing Orders: 167657  
632676

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406995

Special Orders:

Total Depth: 17000

Ground Elevation: 827

**Surface Casing: 930**

Depth to base of Treatable Water-Bearing FM: 880

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: ANTLERS

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)

PERMIT NO: 14-28804

H. SEE MEMO

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: ANTLERS

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: ANTLERS

HORIZONTAL HOLE 1

Sec 19 Twp 6S Rge 1E County LOVE

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 11490

Radius of Turn: 528

Direction: 179

Total Length: 4681

Measured Total Depth: 17000

True Vertical Depth: 12018

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

Notes:

Category

Description

MEMO

11/26/2014 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED 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.

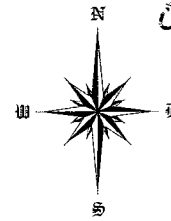
Category	Description
PENDING CD - 201406995	11/26/2014 - G91 - (I.O.) 19-6S-1E X167657 WDFD, HNTN, OTHER X632676 CNEY SHL 460 FNL, 1410 FWL** COMP. INT. NCT 165 FNL, NCT 165 FSL, NCT 1900 FWL ** NO OP. NAMED REC. 11-17-2014 (N. STUCK)  ** TO BE CORRECTED IN FINAL ORDER PER OPERATOR**
PUBLIC WATER SUPPLY/WELLHEAD PROTECTION AREA	11/26/2014 - G71 - LONE GROVE - 1 PWS/WPA, SE-4 13-6S-1W
SPACING - 167657	11/26/2014 - G91 - (640) 19-6S-1E EST WDFD, HNTN, OTHERS
SPACING - 632676	11/26/2014 - G91 - (640) 19-6S-1E EXT 628195 CNEY

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# OSWALT RANCH 1-19H

SECTION 19  
TOWNSHIP 6 SOUTH, RANGE 1 EAST  
LOVE COUNTY, OKLAHOMA

085-21251



OPERATOR:



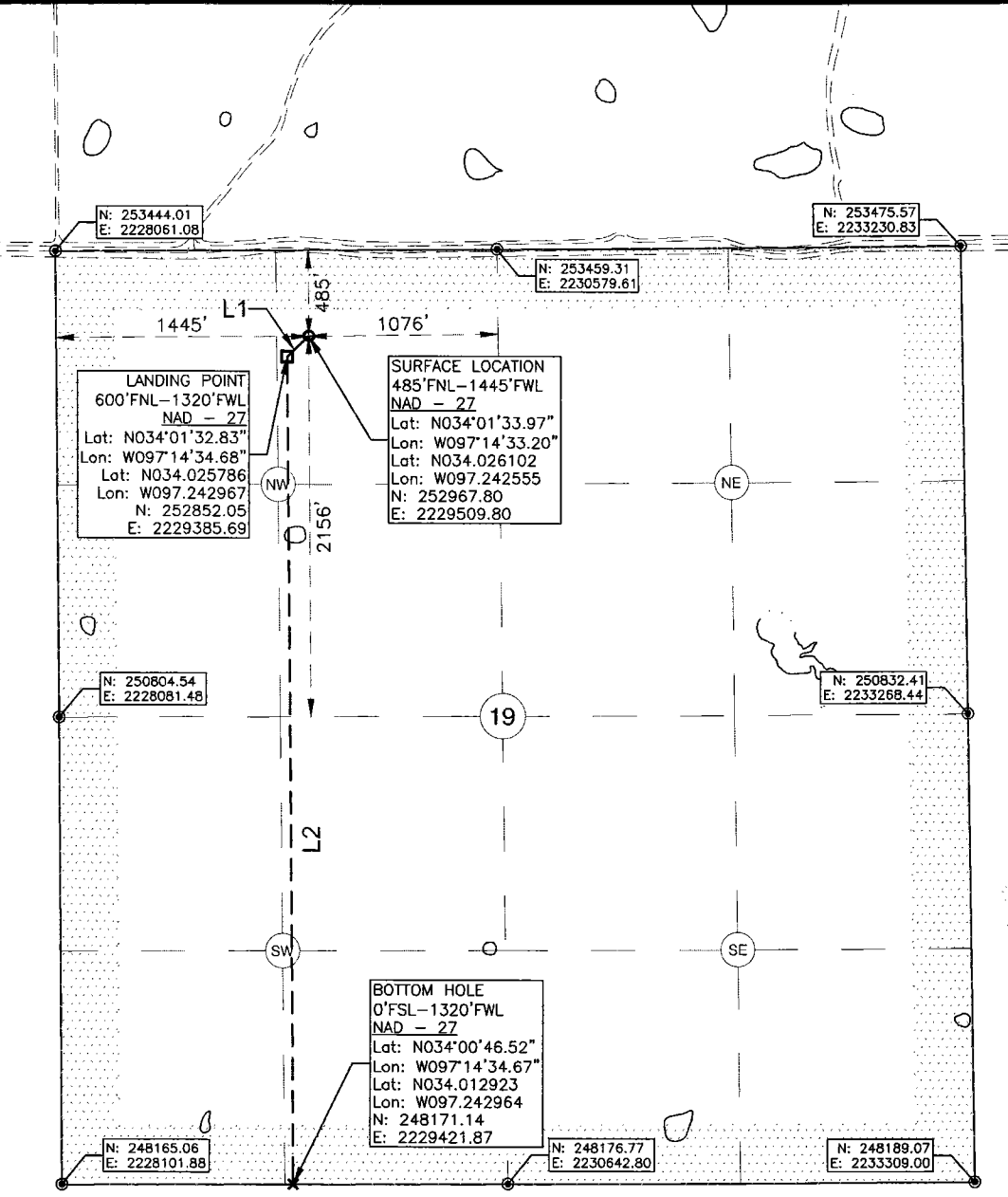
### LEGEND:

- 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	226.994473	169.71
L2	179.557172	4681.04



**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 CPUS 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:** 485' From North Line Section 19  
1445' From West Line Section 19  
  
Latitude: N34.026102° (NAD 27)  
Longitude: W97.242555° (NAD 27)  
Latitude: N34.026200° (NAD 83)  
Longitude: W97.242848° (NAD 83)  
  
Ground Elev: 827.9

**Landing Point Location:** 600' From North Line Section 19  
1320' From West Line Section 19

**Bottom Hole Location:** 0' From South Line Section 19  
1320' From West Line Section 19

**Drilling Unit:** Section 19, T6S, R1E

Operator: XTO Energy, Inc.  
Best Accessibility to Location: From North  
  
Distance & Direction from Hwy Jct or Town:  
From the Intersection of Hwy 35 and Oswalt Rd. go West 4.5mi on Oswalt Rd 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*  
CHAD FOX P.L.S. NO. 1758  
C.O.A. NO. 6186 EX. DATE: 31JAN14



**CDF AND ASSOCIATES, LLC.**  
404 Coggins Ave. Poteau, OK 74953 (918) 721-1262  
Certificate of Authorization No. 6186

JOB NO: XTO/WP14/OSWALT RANCH 1-19H	DRAWN BY: LD
DATE: 04/NOV/14	REV: B SCALE: 1" = 1,000' SHT NO. 1