

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

API NUMBER: 085 21247

Approval Date: 10/24/2014
Expiration Date: 04/24/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 8S Rge: 2E County: LOVE
SPOT LOCATION: SW NW NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 440 1350

Lease Name: HOENIG Well No: 1-6H31 Well will be 440 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

GENE A & PEGGY S HOENIG TRUSTEES
P.O. BOX 1445
GAINSVILLE TX 76240

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

	Name	Depth	Name	Depth
1	CANEY	15100	6	
2	WOODFORD	15900	7	
3	HUNTON	16100	8	
4			9	
5			10	

Spacing Orders: 630791

Location Exception Orders: 631540

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 21500

Ground Elevation: 816

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 390

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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: 14-28606

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 31 Twp 7S Rge 2E County LOVE

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 14565

Radius of Turn: 1264

Direction: 359

Total Length: 5119

Measured Total Depth: 21500

True Vertical Depth: 16100

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

Notes:

Category

Description

LOCATION EXCEPTION - 631540

10/24/2014 - G91 - (I.O.)
X 630791 CNEY, WDFD, HNTN, OTHER
SHL 440 FNL, 1350 FWL 6-8S-2E
COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 400 FWL 31-7S-2E
XTO ENERGY INC.
10-7-2014

MEMO

10/24/2014 - G76 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3
- OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

Category	Description
PUBLIC WATER SUPPLY/WELLHEAD PROTECTION AREA	10/24/2014 - G76 - 1 PWS/WPA - LOVE COUNTY RWD #2 - N2 1-8S-1E
SPACING - 630791	10/24/2014 - G91 - (640) 31-7S-2E EXT 622637 CNEY, WDFD, HNTN, OTHER

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.

085-21247

HOENIG 1-6H31

SECTION 6
TOWNSHIP 8 SOUTH, RANGE 2 EAST
LOVE COUNTY, OKLAHOMA



OPERATOR:



LEGEND:

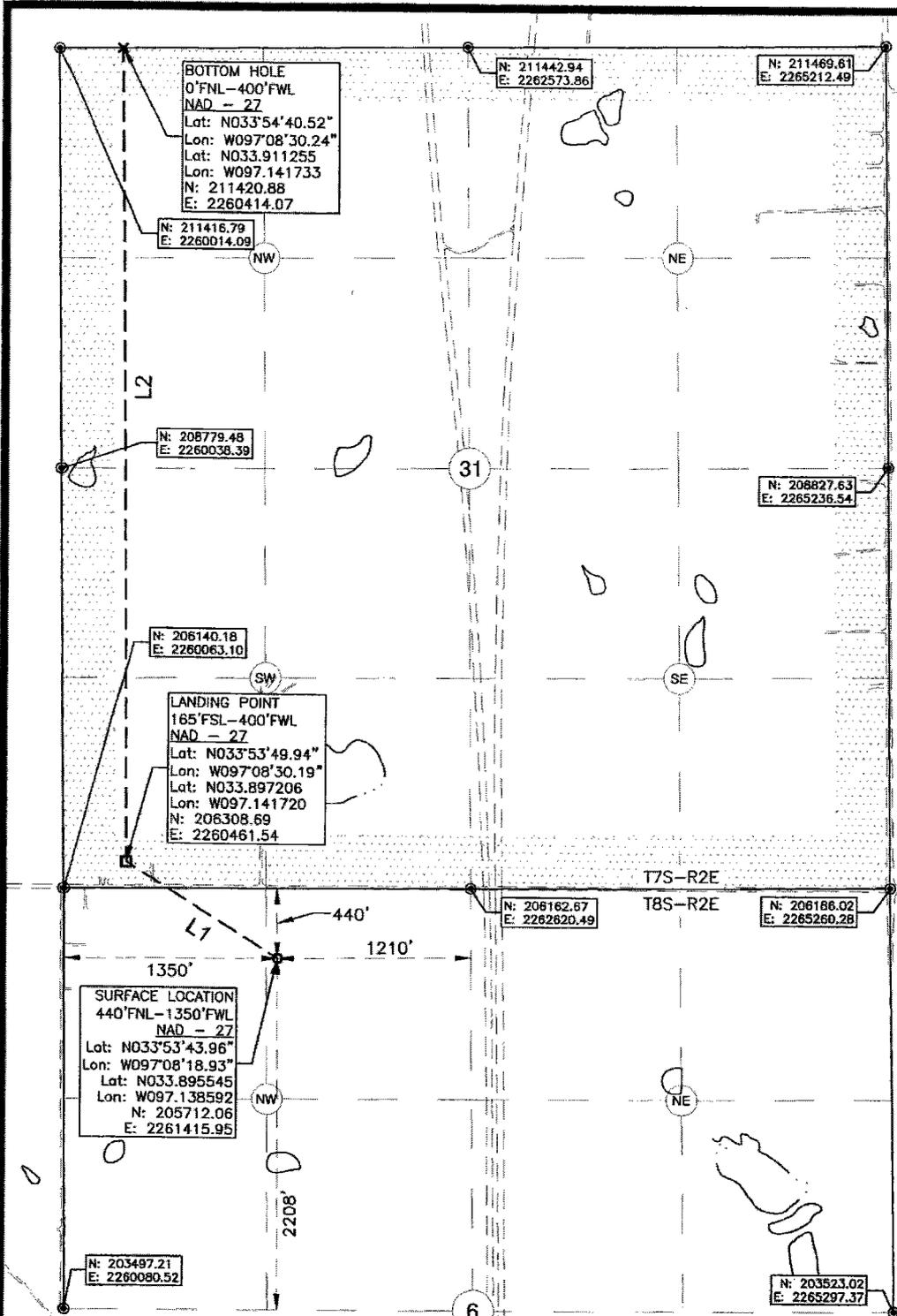
- EXISTING WELL HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- PROPOSED LANDING POINT (LP)
- PROPOSED BOTTOM HOLE (PBHL)

DRILLING UNIT

Line Table		
Line #	Azimuth	Length
L1	302.010689	1125.55
L2	359.467955	5112.41



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: 440' From North Line Section 6
1350' From West Line Section 6

Latitude: N33.895545° (NAD 27)
Longitude: W97.138592° (NAD 27)
Latitude: N33.895646° (NAD 83)
Longitude: W97.138882° (NAD 83)

Ground Elev: 816.6

Landing Point Location: 165' From South Line of Section 31
400' From West Line of Section 31

Bottom Hole Location: 0' From North Line Section 31
400' From East Line Section 31

Drilling Unit: Section 31, T7S, R2E

Operator: XTO Energy, Inc.
Best Accessibility to Location: From North

Distance & Direction from Hwy Jct or Town:
From the intersection of Hwy 32 and Hwy 77 in Marietta, Ok. go 3.0mi. South on Highway 77 to Loves Valley Rd. then West to Hwy 35. Continue West on McGehee Rd 0.3mi 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 4/10/14
CHAD FOX P.L.S. NO. 1758
C.O.A. NO. 6186 EX. DATE: 31JAN16



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

JOB NO:	XTO/WP13/HOENIG 1-6H31	DRAWN BY:	LD
DATE:	10/MAR/14	REV:	C SCALE: 1" = 1,000'
		SHT NO.	1