

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

API NUMBER: 137 27368

Approval Date: 10/13/2014  
Expiration Date: 04/13/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 1S Rge: 4W County: STEPHENS  
SPOT LOCATION:  SW  NW  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 425 1085

Lease Name: CLARENCE Well No: 1-29H28 Well will be 425 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

JACK D & FRANCES STEPHENSON  
4602 E. CAMELBACK RD.  
MARLOW OK 73055

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

	Name	Depth	Name	Depth
1	CANEY	9990	6	
2	WOODFORD	11050	7	
3	HUNTON	12350	8	
4			9	
5			10	

Spacing Orders: 631023

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201404674

Special Orders:

Total Depth: 18000

Ground Elevation: 992

**Surface Casing: 1990**

Depth to base of Treatable Water-Bearing FM: 590

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 BED AQUIFER

Pit Location Formation: GARBER

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: 14-28088

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 BED AQUIFER

Pit Location Formation: GARBER

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 BED AQUIFER

Pit Location Formation: GARBER

HORIZONTAL HOLE 1

Sec 28 Twp 1S Rge 4W County STEPHENS

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 10

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 11850

Radius of Turn: 764

Direction: 179

Total Length: 4950

Measured Total Depth: 18000

True Vertical Depth: 12900

End Point Location from Lease,  
Unit, or Property Line: 10

Notes:

Category

Description

DEEP SURFACE CASING

10/13/2014 - G76 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

MEMO

10/13/2014 - G76 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

Category	Description
PENDING CD - 201404674	<p>10/13/2014 - G91 - (I.O.)  X 631023 CNEY, WDFD, HNTN, OTHERS  SHL 0 FNL, 0 FEL 29-1S-4W**  COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 330 FWL 28-1S-4W  NO OP. NAMED  REC. 8-14-2014 (CANDLER)</p> <p>** SHL TO BE CORRECTED IN FINAL ORDER PER OPERATOR**</p>
SPACING - 631023	<p>10/13/2014 - G91 - (640) 28-1S-4W  EST CNEY, WDFD, HNTN, OTHERS  (COEXIST SP. ORDER # 404369 OTHER, NE4)</p>
WATERSHED STRUCTURE	<p>10/13/2014 - G76 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION  WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580)  255-5798 PRIOR TO DRILLING</p>

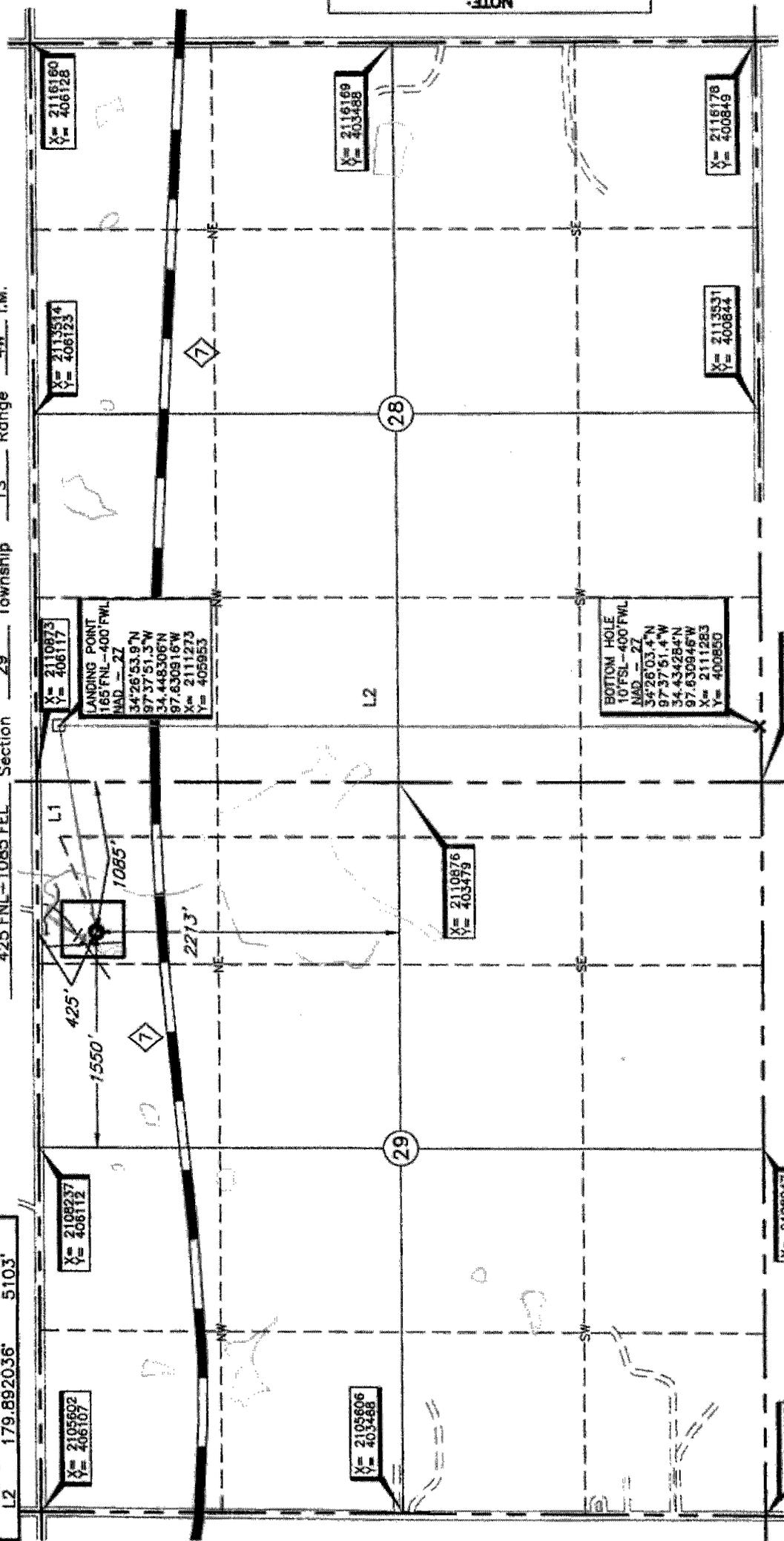
This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District  
Office of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

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
 6708 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 854-3219  
 Certificate of Authorization No. 1293

137-27368

STEPHENS County, Oklahoma  
 425' FNL - 1085' FEL Section 29 Township 1S Range 4W I.M.

LINE	AZIMUTH	LENGTH
L1	79.946532°	1508'
L2	179.892036°	5103'



**NOTE:**  
 The information shown herein is for the construction purposes ONLY.

**GPS**  
 DATUM: NAD-27  
 LAT: 34°26'51.4"N  
 LONG: 97°38'09.0"W  
 LAT: 34.447597°N  
 LONG: 97.635844°W

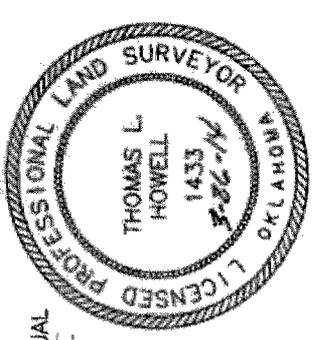
**STATE PLANE**  
 COORDINATES:  
 ZONE: OK SOUTH  
 X: 2109788  
 Y: 405690

- LEGEND:**
- PROPOSED SURFACE HOLE (PSHL)
  - ⊙ CONDUCTOR PIPE (CP)
  - ⊗ EXISTING WELLHEAD/PRODUCTION WELL
  - ⊗ PLUGGED & ABANDONED WELL
  - ⊗ PER O&G RECORDS
  - PROPOSED LANDING POINT (LP)
  - PROPOSED BOTTOM HOLE (PBHL)
  - ⊗ PROPOSED OTHER LATERAL LINES (PLL)

Invoice # 218426A Date Drawn: Mar. 24, 2014  
 Date Staked: Mar. 18, 2014

**CERTIFICATE:**  
 I, Thomas L. Howell, a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.  
 Thomas L. Howell  
 Oklahoma Lic. No. 1433

**ELEVATION:**  
 Well No.: 1-29H2B  
 992' Gr. at Stake  
 Topography & Vegetation Loc. fell in pasture, West side of pad in heavy brush, ±121' Southeast of NE-SW pipeline  
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None  
 Best Accessibility to Location From North off county road  
 Distance & Direction from Hwy Jct or Town From Velma, Ok. go ±1.8 mi. SE-E to the NE corner of Section 29-T1S-R4W



Operator: XTO ENERGY, INC.

Lease Name: CLARENCE

Bottom Hole, Landing Point, and Drill Path Information provided by operator listed, not surveyed; distance between drill paths are calculated