

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

API NUMBER: 137 27392

Approval Date: 01/05/2015  
Expiration Date: 07/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 3S Rge: 4W County: STEPHENS  
SPOT LOCATION:  NE  NW  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 270 800

Lease Name: RITTER Well No: 1-14H Well will be 270 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

R.J. RITTER  
P.O. BOX 487  
RINGLING OK 73456

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

	Name	Depth	Name	Depth
1	CANEY	12850	6	
2	SYCAMORE	13467	7	
3	WOODFORD	13643	8	
4	HUNTON	14093	9	
5			10	

Spacing Orders: 627836

Location Exception Orders: 628608

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 19500

Ground Elevation: 981

**Surface Casing: 1990**

Depth to base of Treatable Water-Bearing FM: 520

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)

PERMIT NO: 14-28786

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? 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 14 Twp 3S Rge 4W County STEPHENS

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 20

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 13410

Radius of Turn: 637

Direction: 175

Total Length: 5090

Measured Total Depth: 19500

True Vertical Depth: 14093

End Point Location from Lease,  
Unit, or Property Line: 20

Notes:

Category	Description
DEEP SURFACE CASING	12/4/2014 - 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
LOCATION EXCEPTION - 628608	1/5/2015 - G76 - (I.O.) 14-3S-4W X627836 CNEY, SCMR, WDFD, HNTN SHL 270 FNL, 800 FEL COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 330 FEL XTO ENERGY, INC. 8/1/2014

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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
MEMO	12/4/2014 - G76 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 627836	1/5/2015 - G76 - (640) 14-3S-4W EST CNEY, SCMR, WDFD, HNTN

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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.