

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

API NUMBER: 019 25870

Approval Date: 03/25/2013

Expiration Date: 09/25/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 3S Rge: 3E

County: CARTER

SPOT LOCATION: NW SW NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 925 1510

Lease Name: DENNIS

Well No: 5-28H21

Well will be 925 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 4052324011

OTC/OCC Number: 21003 0

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

WARREN HERRIOTT
4827 DOGWOOD ROAD
ARDMORE OK 73402

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

	Name	Depth	Name	Depth
1	CANEY	10990	6	
2	SYCAMORE	11415	7	
3	WOODFORD	11920	8	
4	HUNTON	12050	9	
5			10	

Spacing Orders: 142014

Location Exception Orders: 609171

Increased Density Orders: 609161

609168

Pending CD Numbers:

Special Orders:

Total Depth: 17125

Ground Elevation: 722

Surface Casing: 1600

Depth to base of Treatable Water-Bearing FM: 320

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: 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: 13-22847

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: 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? 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: ANTLERS

HORIZONTAL HOLE 1

Sec 21 Twp 3S Rge 3E County CARTER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 10274

Radius of Turn: 1000

Direction: 360

Total Length: 5129

Measured Total Depth: 17125

True Vertical Depth: 12050

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

Notes:

Category	Description
DEEP SURFACE CASING	3/22/2013 - G71 - 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
EXCEPTION TO RULE - 609168	3/22/2013 - G30 - 21-3S-3E X165:10-3-28(C)(2)(B) NO CLOER THAN 500' TO DENNIS 6-28H21 3/18/13

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Category	Description
INCREASED DENSITY - 609161	3/22/2013 - G30 - 21-3S-3E X142014 WDFD 8 WELLS XTO ENERGY INC. 3/18/13
LOCATION EXCEPTION - 609171	3/22/2013 - G30 - (I.O.) 21-3S-3E X142014 CNEY, SCMR, WDFD, HNTN SHL 925 FNL, 1510 FWL 28-3S-3E COMP. INT. NCT 165 FSL, NCT 165 FNL, NCT 330 FWL 21-3S-3E XTO ENERGY INC. 3/18/13
MEMO	3/22/2013 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 142014	3/22/2013 - G30 - (640) 21-3S-3E EST CNEY, SCMR, WDFD, HNTN, OTHERS

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Office of the Conservation Division as to when Surface Casing will be run.