

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

API NUMBER: 019 25848

Approval Date: 03/01/2013

Expiration Date: 09/01/2013

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 3S Rge: 3E

County: CARTER

SPOT LOCATION:

NE

SE

SW

SE

FEET FROM QUARTER: FROM

SOUTH

FROM

EAST

SECTION LINES:

570

1450

Lease Name: ARDMORE AIRPORT

Well No: 4-18H

Well will be 570 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 8178852196; 4052324

OTC/OCC Number: 21003 0

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

ARDMORE DEVELOPMENT AUTHORITY
410 W MAIN
ARDMORE OK 73402

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

	Name	Depth	Name	Depth
1	WOODFORD	12225	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 559902

Location Exception Orders: 607845

Increased Density Orders: 606920

606873

Pending CD Numbers:

Special Orders:

Total Depth: 17175

Ground Elevation: 726

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 1630

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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: 12-22188

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 18 Twp 3S Rge 3E County CARTER

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 1318

Depth of Deviation: 10161

Radius of Turn: 1000

Direction: 359

Total Length: 5288

Measured Total Depth: 17175

True Vertical Depth: 12225

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

Category

Description

DEEP SURFACE CASING

3/1/2013 - 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 - 606873

3/1/2013 - G30 - (I.O.) 18-3S-3E
X165:10-3-38(C)(2)(B) WDFD
NCT 500' TO ARDMORE AIRPORT 3-18H
NO OP. NAMED
1/23/13

This permit does not address the right of entry or settlement of surface damages.

019 25848 ARDMORE AIRPORT 4-18H

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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
INCREASED DENSITY - 606920	3/1/2013 - G30 - 18-3S-3E X559902 WDFD 3 WELLS XTO ENERGY INC. 1/24/13
LOCATION EXCEPTION - 607845	3/1/2013 - G30 - (I.O.) 18-3S-3E X559902 WDFD SHL 570 FSL, 1450 FEL COMP. INT. NCT 165 FSL, NCT 165 FNL, NCT 1230 FEL XTO ENERGY INC. 2/14/13
MEMO	3/1/2013 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 559902	3/1/2013 - G30 - (640) 18-3S-3E EXT 142014 WDFD, OTHERS EXT OTHERS