

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

API NUMBER: 019 26082

Approval Date: 06/13/2014  
Expiration Date: 12/13/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 3S Rge: 3E County: CARTER  
SPOT LOCATION:  SE  SE  NE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 1400 150

Lease Name: FRED Well No: 1-25H30 Well will be 150 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

NICKEL HILL LAND & CATTLE COMPANY  
1023 LANDMARK ROAD  
ARDMORE OK 73401

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

	Name	Depth	Name	Depth
1	WOODFORD	9000	6	
2	HUNTON	9100	7	
3			8	
4			9	
5			10	

Spacing Orders: 547505 Location Exception Orders: 623930 Increased Density Orders: 623882

Pending CD Numbers: Special Orders:

Total Depth: 15000 Ground Elevation: 866 **Surface Casing: 1990** Depth to base of Treatable Water-Bearing FM: 540

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: DEESE

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: 14-27199

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DEESE

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DEESE

HORIZONTAL HOLE 1

Sec 30 Twp 3S Rge 4E County JOHNSTON

Spot Location of End Point: NE SE SE SE

Feet From: SOUTH 1/4 Section Line: 380

Feet From: EAST 1/4 Section Line: 25

Depth of Deviation: 8364

Radius of Turn: 1000

Direction: 100

Total Length: 5065

Measured Total Depth: 15000

True Vertical Depth: 9100

End Point Location from Lease,  
Unit, or Property Line: 25

Notes:

Category	Description
DEEP SURFACE CASING	5/22/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
INCREASED DENSITY - 623882	6/12/2014 - G75 - 30-3S-4E X547505 WDFD 8 WELLS XTO ENERGY INC. 4-14-2014

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Category	Description
LOCATION EXCEPTION - 623930	6/12/2014 - G75 - (I.O.) X547505 WDFD, HNTN, OTHER SHL 1400 FSL, 150 FEL 25-3S-3E COMPL. INT. NCT 165 FWL, NCT 165 FEL, NCT 330 FSL 30-3S-4E XTO ENERGY INC. 4-15-0214
MEMO	5/22/2014 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 547505	6/12/2014 - G75 - (640) 30-3S-4E EXT 539352 WDFD, OTHERS EXT 142014 HNTN

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