

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

API NUMBER: 019 26006

Approval Date: 11/07/2013

Expiration Date: 05/07/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 3S Rge: 3E

County: CARTER

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 327 1949

Lease Name: SAMMIE

Well No: 3-33H

Well will be 327 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 8178852283

OTC/OCC Number: 21003 0

XTO ENERGY INC
810 HOUSTON ST
FORT WORTH, TX 76102

SAMMIE HERRIOTT
9031 STATE HIGHWAY 199
ARDMORE OK 73401

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

Name	Depth	Name	Depth
1 WOODFORD	12500	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 238746

Location Exception Orders: 613874

Increased Density Orders: 614089

Pending CD Numbers:

Special Orders:

Total Depth: 18000

Ground Elevation: 702

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 1030

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: 13-24809

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 33 Twp 3S Rge 3E County CARTER

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 1600

Depth of Deviation: 11100

Radius of Turn: 1000

Direction: 359

Total Length: 5127

Measured Total Depth: 18000

True Vertical Depth: 12700

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

Category

Description

DEEP SURFACE CASING

11/6/2013 - 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

INCREASED DENSITY - 614089

11/7/2013 - G30 - 33-3S-3E
X238746 WDFD
4 WELLS
XTO ENERGY INC.
7/22/13

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019 26006 SAMMIE 3-33H

Category	Description
LOCATION EXCEPTION - 613874	11/7/2013 - G30 - (I.O.) 33-3S-3E X238746 WDFD SHL 330 FSL, 1949 FEL COMP. INT. NCT 165 FSL, NCT 165 FNL, NCT 1600 FEL XTO ENERGY INC. 7/16/13
MEMO	11/6/2013 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS REQUIRED - WASHITA RIVER, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 238746	11/7/2013 - G30 - (640) 33-3S-3E EXT 142014 WDFD, OTHERS EXT OTHERS