

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

API NUMBER: 085 21251 A

Approval Date: 11/26/2014
Expiration Date: 05/26/2015

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION - ADD DEEP SURFACE CASING

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 6S Rge: 1E

County: LOVE

SPOT LOCATION: SW NW NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 485 1445

Lease Name: OSWALT RANCH

Well No: 1-19H

Well will be 485 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

SAMUEL ROBERTS NOBLE FOUNDATION
2510 SAM NOBLE PARKWAY
ARDMORE OK 73401

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

	Name	Depth	Name	Depth
1	CANEY	11050	6	
2	WOODFORD	11900	7	
3	HUNTON	11990	8	
4			9	
5			10	

Spacing Orders: 167657
632676

Location Exception Orders: 634073

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17000

Ground Elevation: 827

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 880

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)

H. SEE MEMO

PERMIT NO: 14-28804

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 19 Twp 6S Rge 1E County LOVE

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 11490

Radius of Turn: 528

Direction: 179

Total Length: 4681

Measured Total Depth: 17000

True Vertical Depth: 12018

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

Notes:

Category

Description

DEEP SURFACE CASING

12/16/2014 - 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

Category	Description
LOCATION EXCEPTION - 634073	12/16/2014 - G91 - (I.O.) 19-6S-1E X167657 WDFD, HNTN, CNEY ** SHL 540 FNL, 1365 FWL** COMP. INT. NCT 165 FNL, NCT 165 FSL, NCT 1250 FWL XTO ENERGY, INC. 12-11-2014
MEMO	**S/B X632676 CNEY, SHL; BOTH TO BE CORRECTED IN FINAL ORDER PER OPERATOR** 11/26/2014 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 167657	11/26/2014 - G91 - (640) 19-6S-1E EST WDFD, HNTN, OTHERS
SPACING - 632676	11/26/2014 - G91 - (640) 19-6S-1E EXT 628195 CNEY

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