

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

API NUMBER: 085 21238 A

Approval Date: 09/02/2014
Expiration Date: 03/02/2015

Horizontal Hole Oil & Gas

Amend reason: CORRECT WELL NAME: S/B 1-19H

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 7S Rge: 1E County: LOVE
SPOT LOCATION: SW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 565 400

Lease Name: **ROBERTS** Well No: **1-19H** Well will be **400** 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

THE 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	13500	6	
2	WOODFORD	14350	7	
3	HUNTON	14560	8	
4			9	
5			10	

Spacing Orders: 629534 Location Exception Orders: 630183 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 21000 Ground Elevation: 867 **Surface Casing: 1990** Depth to base of Treatable Water-Bearing FM: 550

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: KIAMICHI

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: 14-27948
- 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: KIAMICHI

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: KIAMICHI

HORIZONTAL HOLE 1

Sec 19 Twp 7S Rge 1E County LOVE

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 10

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 14000

Radius of Turn: 560

Direction: 180

Total Length: 6121

Measured Total Depth: 21000

True Vertical Depth: 14560

End Point Location from Lease,
Unit, or Property Line: 10

Notes:

Category	Description
DEEP SURFACE CASING	9/10/2014 - G76 - 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
LOCATION EXCEPTION - 630183	9/10/2014 - G91 - (I.O.) 19-7S-1E X 629534 CNEY, WDFD, HNTN, OTHER SHL 565 FNL, 400 FEL COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 330 FEL XTO ENERGY INC. 9-5-2014

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Category	Description
MEMO	9/10/2014 - G76 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 629534	9/10/2014 - G91 - (640) 19-7S-1E EXT 625918 CNEY, WDFD, HNTN, OTHER

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