

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

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

Horizontal Hole Oil & Gas

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: 1-9H

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:

Increased Density Orders:

Pending CD Numbers: 201404762

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)

H. SEE MEMO

PERMIT NO: 14-27948

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

9/2/2014 - 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

MEMO

9/2/2014 - G76 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

Category	Description
PENDING CD - 201404762	9/2/2014 - 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 NO OP. NAMED REC. 7-21-2014 (LEAVITT)
SPACING - 629534	9/2/2014 - G91 - (640) 19-7S-1E EXT 625918 CNEY, WDFD, HNTN, OTHER

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.