

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

API NUMBER: 019 26035

Approval Date: 01/23/2014

Expiration Date: 07/23/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 3S Rge: 2E

County: CARTER

SPOT LOCATION: NE SW SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 420 910

Lease Name: KATHY

Well No: 1-29H28

Well will be 420 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 76102-6203

WILLIAM D AND RHETA J SCHUERHOFF TRUSTEES
240 DEER CREEK ROAD
ARDMORE OK 73401

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

	Name	Depth	Name	Depth
1	CANEY	8400	6	
2	SYCAMORE	9000	7	
3	WOODFORD	9400	8	
4	HUNTON	9700	9	
5			10	

Spacing Orders: 112621
359090

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400158
201400159
201400161

Special Orders:

Total Depth: 15000

Ground Elevation: 749

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 530

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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: 14-26252

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 28 Twp 3S Rge 2E County CARTER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 9030

Radius of Turn: 1000

Direction: 359

Total Length: 5119

Measured Total Depth: 15000

True Vertical Depth: 9700

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

Notes:

Category	Description
DEEP SURFACE CASING	1/23/2014 - 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
MEMO	1/23/2014 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201400158	1/23/2014 - G30 - (640) 28-3S-2E EXT 569644 CNEY REC 1/21/14 (OSBURN)

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Category	Description
PENDING CD - 201400159	1/23/2014 - G30 - 28-3S-2E X359090 WDFD 1 WELL NO OP. NAMED REC 1/21/14 (OSBURN)
PENDING CD - 201400161	1/23/2014 - G30 - 28-3S-2E X112621 SCMR, HNTN X359090 WDFD X201400158 CNEY SHL 420 FSL, 910 FEL 29-3S-2E COMP. INT. NCT 165 FSL, NCT 330 FWL, NCT 165 FNL NO OP. NAMED REC 1/21/14 (OSBURN)
SPACING - 112621	1/23/2014 - G30 - (640) 28 & 29-3S-2E EST SCMR, HNTN, OTHERS
SPACING - 359090	1/23/2014 - G30 - (640) 28-3S-2E EXT 195672/266656 WDFD

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