

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

API NUMBER: 019 25947 A

Approval Date: 08/16/2013  
Expiration Date: 02/16/2014

Horizontal Hole Oil & Gas

Amend reason: CORRECT SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 3S Rge: 3E

County: CARTER

SPOT LOCATION: SE NW NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 381 502

Lease Name: HERRIOT

Well No: 9-34H

Well will be 381 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

JOHN & NANCY MAHER  
8013 HWY 177 NORTH  
ARDMORE OK 73102

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

Name	Depth	Name	Depth
1 WOODFORD	11900	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 142014

Location Exception Orders: 613338  
613348

Increased Density Orders: 613325

Pending CD Numbers:

Special Orders:

Total Depth: 17000

Ground Elevation: 714

**Surface Casing: 1990**

Depth to base of Treatable Water-Bearing FM: 770

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)

H. SEE MEMO

PERMIT NO: 13-23860

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 34 Twp 3S Rge 3E County CARTER

Spot Location of End Point: NE NE SE NE

Feet From: NORTH 1/4 Section Line: 1450

Feet From: EAST 1/4 Section Line: 50

Depth of Deviation: 10900

Radius of Turn: 1000

Direction: 90

Total Length: 5053

Measured Total Depth: 17000

True Vertical Depth: 12000

End Point Location from Lease,  
Unit, or Property Line: 50

Notes:

Category	Description
DEEP SURFACE CASING	8/16/2013 - 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
EXCEPTION TO RULE - 613338	8/16/2013 - G30 - (I.O.) 34-3S-3E X165:10-3-28(C)(2)(B) WDFD (HERRIOT 9-34H NCT 450' TO HERRIOT 6-34H (API 019-25937) 7/1/13

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Category	Description
INCREASED DENSITY - 613325	8/16/2013 - G30 - 34-3S-3E X142014 WDFD 8 WELLS XTO ENERGY INC. 7/1/13
LOCATION EXCEPTION - 613348	8/16/2013 - G30 - (I.O.) 34-3S-3E X142014 WDFD SHL 381 FNL, 502 FWL COMP. INT. NCT 1400 FNL, NCT 165 FWL, NCT 165 FEL XTO ENERGY INC. 7/1/13
MEMO	8/16/2013 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS REQUIRED - WASHITA RIVER, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 142014	8/16/2013 - G30 - (640) 34-3S-3E EST WDFD, OTHERS

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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.