

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

API NUMBER: 129 24009

Approval Date: 09/26/2014
Expiration Date: 03/26/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 16N Rge: 24W County: ROGER MILLS
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 250 2005

Lease Name: BARBER FAMILY TRUST 9-16-24 Well No: 3H Well will be 250 feet from nearest unit or lease boundary.
Operator Name: APACHE CORPORATION Telephone: 9184914900; 9184914 OTC/OCC Number: 6778 0

APACHE CORPORATION
6120 S YALE AVE STE 1500
TULSA, OK 74136-4224

BARBER FAMILY TRUST C/O WAYNE & SHIRLEY
BARBER, TTEES.
8074 N. 1820 RD.
CRAWFORD OK 73638

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

Name	Depth	Name	Depth
1 TONKAWA	8081	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 134025 Location Exception Orders: 627568 Increased Density Orders: 627411

Pending CD Numbers: Special Orders:

Total Depth: 12500 Ground Elevation: 2018 Surface Casing: 430 Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28473

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: 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: ALLUVIUM

HORIZONTAL HOLE 1

Sec 09 Twp 16N Rge 24W County ROGER MILLS

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 300

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 7674

Radius of Turn: 573

Direction: 27

Total Length: 3926

Measured Total Depth: 12500

True Vertical Depth: 8247

End Point Location from Lease,
Unit, or Property Line: 300

Notes:

Category

Description

INCREASED DENSITY - 627411

9/26/2014 - G91 - 9-16N-24W
X 62327/134025 TNKW
1 WELL
APACHE CORPORATION
7-2-2014

LOCATION EXCEPTION - 627568

9/26/2014 - G91 - (I.O.) 9-16N-24W
X 62327/134025 TNKW
SHL NCT 273 FSL, NCT 1927 FEL**
1ST PERF NCT 300 FSL, NCT 660 FEL
LAST PERF NCT 300 FNL, NCT 660 FEL
APACHE CORPORATION
7-8-2014

SHL TO BE CORRECTED IN FINAL ORDER PER OPERATOR

MEMO

9/26/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER),
PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 134025

9/26/2014 - G91 - (640) 9-16N-24W
MOD /EXT 62327 TNKW

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Office of the Conservation Division as to when Surface Casing will be run.

129 24009 BARBER FAMILY TRUST 9-16-24
3H