

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

API NUMBER: 045 23484

Approval Date: 06/11/2014

Expiration Date: 12/11/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 21N Rge: 24W

County: ELLIS

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 900

Lease Name: TORRANCE 27-21-24

Well No: 2H

Well will be 200 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

CURTIS E. TORRANCE & KAY YVONNE TORRANCE
RR 3, BOX 5
GAGE OK 73843

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

	Name	Depth	Name	Depth
1	COTTAGE GROVE	7324	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 623360

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201403901
201403906

Special Orders:

Total Depth: 12000

Ground Elevation: 2276

Surface Casing: 440

Depth to base of Treatable Water-Bearing FM: 390

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-27432

H. CONCRETE-LINED PIT PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 27 Twp 21N Rge 24W County ELLIS

Spot Location of End Point: SE NW NE NE

Feet From: NORTH 1/4 Section Line: 335

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 7700

Radius of Turn: 573

Direction: 4

Total Length: 4738

Measured Total Depth: 12000

True Vertical Depth: 7352

End Point Location from Lease,

Unit, or Property Line: 335

Notes:

Category

Description

PENDING CD - 201403901

6/10/2014 - G72 - 27-21N-24W (E.O.)
X 623360 CGGV
SHL NCT 200 FSL, NCT 1000 FEL
FIRST PERF NCT 300 FSL, NCT 500 FEL;
LAST PERF NCT 300 FNL, NCT 500 FEL;
NO OPER NAMED;
REC 6/9/2014 (JOHNSON)

PENDING CD - 201403906

6/10/2014 - G72 - 27-21N-24W
X 623360 CGGV;
1 WELL;
NO OPER NAMED;
HRG 6/24/2014 (JOHNSON)

SPACING - 623360

6/10/2014 - G72 - (640)(HOR) 27-21N-24W
EST CGGV
POE TO BHL NCT 660' FB (SUPERSEDE SP. ORDER # 98320 CGGV;
COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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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.

045 23484 TORRANCE 27-21-24 2H

API 045 23484

