

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

API NUMBER: 051 23674

Approval Date: 04/09/2013  
Expiration Date: 10/09/2013

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 5N Rge: 5W County: GRADY  
SPOT LOCATION:  SW  SW  SE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 325 1460

Lease Name: RIDDLE Well No: 14-32H Well will be 325 feet from nearest unit or lease boundary.  
Operator Name: EAGLE ROCK MID-CONTINENT OPERATING LLC Telephone: 2814081200 OTC/OCC Number: 22050 0

EAGLE ROCK MID-CONTINENT OPERATING LLC  
PO BOX 2968  
HOUSTON, TX 77252-2968

DON AND BARBARA MITCHUSSON  
P.O. BOX 133  
BRADLEY OK 73011

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

Name	Depth	Name	Depth
1 WOODFORD	14186	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 158232 Location Exception Orders: 609622 Increased Density Orders: 608067

Pending CD Numbers:

Special Orders:

Total Depth: 19272 Ground Elevation: 1146 Surface Casing: 1800 Depth to base of Treatable Water-Bearing FM: 260

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: 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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER  
Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-23044

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 32 Twp 5N Rge 5W County GRADY

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 13700

Radius of Turn: 515

Direction: 352

Total Length: 4667

Measured Total Depth: 19272

True Vertical Depth: 14215

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

Notes:

Category	Description
DEEP SURFACE CASING	4/9/2013 - 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
INCREASED DENSITY - 608067	4/9/2013 - G30 - 32-5N-5W X158232 WDFD 1 WELL EAGLE ROCK MID-CONTINENT OPERATING, LLC 2/21/13
LOCATION EXCEPTION - 609622	4/9/2013 - G30 - (I.O.) 32-5N-5W X158232 WDFD COMP. INT. NCT 300 TO SL, NCT 165 TO NL, NCT 330 TO WL EAGLE ROCK MID-CONTINENT OPERATING, LLC 3/28/13

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