

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

API NUMBER: 051 23649 A

Approval Date: 10/10/2012  
Expiration Date: 04/10/2013

Directional Hole Oil & Gas

Amend reason: AMEND TOTAL DEPTH TO 16,000'

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 5N Rge: 5W County: GRADY  
SPOT LOCATION:  SE  NE  NE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 2240 230

Lease Name: RIDDLE Well No: 12-32 Well will be 230 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	SYCAMORE	12587	6	
2	WOODFORD	12765	7	
3	HUNTON	13006	8	
4	VIOLA	13544	9	
5	BROMIDE	14127	10	

Spacing Orders: 158232

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201205337  
201205338

Special Orders:

Total Depth: 16000

Ground Elevation: 1128

**Surface Casing: 1600**

Depth to base of Treatable Water-Bearing FM: 220

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: 4100 Average: 2200

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: 12-21567

DIRECTIONAL HOLE 1

Sec 32 Twp 5N Rge 5W County GRADY

Spot Location of End Point: SW NE NE SE

Feet From: SOUTH 1/4 Section Line: 2240

Feet From: EAST 1/4 Section Line: 595

Measured Total Depth: 16000

True Vertical Depth: 16000

End Point Location from Lease,

Unit, or Property Line: 595

Notes:

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.

Category	Description
DEEP SURFACE CASING	10/9/2012 - G30 - APPROVED; IF LOST CIRCULATION OCCURS NOTIFY OCC DISTRICT OFFICE IMMEDIATELY
PENDING CD - 201205337	10/10/2012 - G30 - 32-5N-5W X158232 SCMR, WDFD, HNTN, VIOL, BRMD, OTHERS SHL NCT 1980 TO SL, NCT 230 TO EL COMP INT. NCT 1320 TO SL, NCT 230 TO EL NO OP. NAMED REC 10/2/12 (MCKEOWN)
PENDING CD - 201205338	10/10/2012 - G30 - 32-5N-5W X158232 SCMR, WDFD, HNTN, VIOL, BRMD, OTHERS 3 WELS NO OP. NAMED REC 10/2/12 (MCKEOWN)
SPACING - 158232	10/9/2012 - G30 - (640) 32-5N-5W DEL 29201 SMPSU, SMP SL DEL OTHER EXT 47484/OTHERS/100899 SCMR, WDFD, HNTN, VIOL, BRMD, TPCK, OTHERS (VAC TPCK BY 240020)

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.