

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

API NUMBER: 093 24980

Approval Date: 12/10/2013

Expiration Date: 06/10/2014

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 21N Rge: 11W

County: MAJOR

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 990 990

Lease Name: BERTHA

Well No: 8-3

Well will be 990 feet from nearest unit or lease boundary.

Operator Name: BRG PETROLEUM LLC

Telephone: 9184962626

OTC/OCC Number: 21665 0

BRG PETROLEUM LLC
7134 S YALE AVE STE 600
TULSA, OK 74136-6353

GARY D NIGHTENGALE
30 RR 2
FAIRVIEW OK 73737-

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

	Name	Depth	Name	Depth
1	OSWEGO	6400	6	
2	CHEROKEE	6650	7	
3	MANNING	6850	8	
4	MERAMEC	7150	9	
5	OSAGE	7200	10	

Spacing Orders: 54760
119579
119580

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 8150

Ground Elevation: 1192

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 420

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 35000 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

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

PERMIT NO: 13-24968

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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
SPACING - 119579	12/10/2013 - G30 - (80) 8-21N-11W SU NW/SE VAC 43335/110057 CHRK VAC OTHER EST CHRK, OTHER
SPACING - 119580	12/10/2013 - G30 - (80) 8-21N-11W SU NW/SE EXT 94829 OSWG EXT 51582 MPMC EST OSGE
SPACING - 54760	12/10/2013 - G30 - (80) 8-21N-11W SU NW/SE EXT 46564/54061 MNNG