

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 A

Approval Date: 12/10/2013

Expiration Date: 06/10/2014

Straight Hole Oil & Gas

Amend reason: ADD HUNTON FORMATION TO ORIGINAL  
PERMIT. HUNTON WILL REQUIRE I.D. HEARING DATE IS 3/10/14  
CD#201401167-T

AMEND PERMIT TO DRILL

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

SPOT LOCATION: C NW SE SE 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	HUNTON	8000
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: 201401167

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
FRAC FOCUS	2/20/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
PENDING CD - 201401167	3/19/2014 - G30 - E2 SE4 8-21N-11W X119579 HNTN 1 WELL NO OP. NAMED REC 3/14/14 (JOHNSON)
SPACING - 119579	12/10/2013 - G30 - (80) 8-21N-11W SU NW/SE VAC 43335/110057 CHRK VAC 63823/110057 HNTN EST CHRK, HNTN
SPACING - 119580	12/10/2013 - G30 - (80) 8-21N-11W SU NW/SE EXT 94829 OSWG EXT 51582 MRMC EST OSGE
SPACING - 54760	12/10/2013 - G30 - (80) 8-21N-11W SU NW/SE EXT 46564/54061 MNNG

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093 24980 BERTHA 8-3

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