

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

API NUMBER: 087 22013

Approval Date: 11/03/2014  
Expiration Date: 05/03/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 5N Rge: 2E County: MCCLAIN  
SPOT LOCATION:  SW  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 514 1975

Lease Name: W.H. BRAUM Well No: 1-7 Well will be 514 feet from nearest unit or lease boundary.  
Operator Name: RANKEN ENERGY CORPORATION Telephone: 4053402363 OTC/OCC Number: 17205 0

RANKEN ENERGY CORPORATION  
457 W 18TH ST  
EDMOND, OK 73013-3663

W.H. BRAUM FAMILY, LP  
3000 NE 63RD STREET  
OKLAHOMA CITY OK 73121

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

Name	Depth	Name	Depth
1 BARTLESVILLE	4092	6 1ST BROMIDE	5579
2 PENN BASAL UNCONF SAND	4915	7 2ND BROMIDE	5636
3 HUNTON	4963	8 MCLISH	5939
4 VIOLA	5207	9 OIL CREEK	6245
5 BROMIDE DENSE	5488	10 ARBUCKLE	6558

Spacing Orders: 629634

Location Exception Orders: 201407856

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6558

Ground Elevation: 960

**Surface Casing: 200**

Depth to base of Treatable Water-Bearing FM: 150

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: 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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 14-28659

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER)

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.

087 22013 W.H. BRAUM 1-7

Category	Description
FRAC FOCUS	11/3/2014 - 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
LOCATION EXCEPTION - 201407856	11/3/2014 - G91 - (E.O.) N2 NE4 7-5N-2E X 629634 BRVL, BPUNC, HNTN, VIOL, BMDD, BRMD1, BRMD2, MCLS, OLCK, ABCK, OTHERS NO OP. NAMED REC 10-31-2014 (P.PORTER)
SPACING - 629634	11/3/2014 - G91 - (80) NE4 7-5N-2E LD NE/SW VAC 41742 VIOL VAC 131852 HNTN, BRMD VAC 261579 BRVL, BPUNC, HNTN, BMDD, BRMD1, BRMD2, MCLS, OTHERS EST BRVL, BPUNC, HNTN, VIOL, BMDD, BRMD1, BRMD2, MCLS, OLCK, ABCK, OTHERS

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